

**SO** Environmental Protection Agency Glossary  
**DEF** (EPA) (LOAEL) In dose-response experiments, the experimental exposure level representing the lowest level tested at which adverse effects were demonstrated.

**LPCI**  
 DA October 12, 1990  
 SEE Low Pressure Coolant Injection  
 SO Acronyms

**LPCR**  
 DA October 12, 1990  
 SEE Low Pressure Cooling Recirculation Phase  
 SO Acronyms

**LPCS**  
 DA October 12, 1990  
 SEE Low Pressure Core Spray  
 SO Acronyms

**LPI**  
 DA October 12, 1990  
 SEE Low Pressure Injection  
 SO Acronyms

**LPP**  
 DA October 12, 1990  
 SEE Long Plenum Plugs  
 SO Acronyms

**LPPP**  
 DA October 12, 1990  
 SEE Low Pressure Pump Pad  
 SO Acronyms

**LPRS**  
 DA October 12, 1990  
 SEE Low Pressure Recirculation System  
 SO Acronyms

**LPRSX**  
 DA October 12, 1990  
 SEE Low Pressure Recirculation System Heat Exchanger  
 SO Acronyms

**LPSW**  
 DA October 12, 1990  
 SEE Low Pressure Service Water  
 SO Acronyms

**LTA**  
 DA October 12, 1990  
 SEE Less than Adequate  
 SO Acronyms

**LUBRICATING OILS**  
 (SWDA; RCRA; USC)  
 DA October 12, 1990  
 BT1 Oils  
 RT Re-refined Oils

**SO** Wastes  
**DEF** (USC) The fraction of crude oil that is sold for purposes of reducing friction in any industrial or mechanical device. Such term includes re-refined oil.

**LUNG CLASSES**  
 (IAEA)  
 DA October 12, 1990  
 RT Biological Clearance Rate  
 SO Radiation  
**DEF** (IAEA) A classification scheme used by the ICRP to designate the clearance of inhaled radioactive materials from the lung. Materials are classified on the basis of their period of retention in the pulmonary region. D (Day) indicates a biological half-life of less than 10 days. W (Week) a half-life of 10-100 days. Y (Year) a half-life greater than 100 days.

**LWC**  
 DA October 12, 1990  
 SEE Lost Workday Cases  
 SO Acronyms

**LWR**  
 DA October 12, 1990  
 SEE Light Water Reactor  
 SO Acronyms

**M**  
 DA October 12, 1990  
 SEE Moment Magnitude  
 SO Acronyms

**M&O**  
 DA October 12, 1990  
 SEE Management and Operating Contractor for DOE Facility  
 SO Acronyms

**M&T**  
 DA October 12, 1990  
 SEE Main and Trim  
 SO Acronyms

**MACCS**  
 (Acronyms and Abbreviations)  
 DA October 12, 1990  
 BT1 Computer Codes  
**DEF** A computer code used in accident consequence analysis.

**MACHINE BASIN**  
 DA January 8, 1991  
 SF MB

**MACHINE GUNS**  
 (Doe Order 5480.16)  
 DA October 12, 1990  
 BT1 Small Arms  
 BT2 Firearms  
 NT1 Submachine Guns, Closed Bolt  
 NT1 Submachine Guns, Open Bolt

**SO** Firearms  
**DEF** (DOE Order 5480.16) A fully automatic weapon capable of firing multiple rounds with a single pull of the trigger; it is belt fed and is usually mounted on a bipod, tripod, or another fixture.

**MACHINE PISTOLS**  
 (Doe Order 5480.16)  
 DA October 12, 1990  
 BT1 Pistols  
 BT2 Handguns  
 BT3 Small Arms  
 BT4 Firearms  
 RT Magazines  
 SO Firearms  
**DEF** (DOE Order 5480.16) Capable of being fired in the fully automatic mode.

**MACHINE SETUP/OPERATOR**  
 (0710 MACHINE OPER)  
 DA November 28, 1990  
 BT1 Precision/Production Personnel  
 BT2 Occupations  
 BT2 Personnel  
 SO DOE FRASE VOCABULARY

**MACHINE SHOP**  
 (1784 MACHINE SHOP)  
 DA December 10, 1990  
 BT1 Building (DOE FRASE Vocabulary)  
 BT2 Facilities and Buildings (DOE FRASE Vocabulary)  
 BT3 Facilities  
 SO DOE FRASE VOCABULARY

**MACHINES (DOE FRASE VOCABULARY)**  
 (DOE FRASE Vocabulary Numeric Keys 2100-2199)  
 DA December 10, 1990  
 BT1 Equipment  
 NT1 Agitator  
 NT1 Agricultural Machine  
 NT1 Air Dryer  
 NT1 Band Saw  
 NT1 Biostabilizers  
 NT1 Boring Machine  
 NT1 Centrifuge  
 NT1 Comminuters  
 NT1 Compactor  
 NT1 Compressor  
 NT2 Air Compressor  
 NT1 Concrete Saw  
 NT1 Crushing Machine  
 NT1 Discharge Machine  
 NT1 Drilling Machine  
 NT1 Drying Machine  
 NT1 Electrical Office Machine  
 NT1 Emergency Diesel Generator  
 NT1 Grinding Machine  
 NT1 Hammermills  
 NT1 Lathe  
 NT1 Milling Machine  
 NT2 Ball Mill  
 NT2 Roll Mill  
 NT1 Mixing Machine

**NT1** Polishing Machine  
**NT1** Press  
**NT2** Isostatic Press  
**NT1** Printing Machine  
**NT1** Pump(s)  
**NT2** Coolant Return Pump  
**NT2** Ion Pump  
**NT2** Reactor Coolant Pump  
**NT2** Sump Pump  
**NT1** Recirculator  
**NT1** Sanding Machine  
**NT1** Slicing Machine  
**NT1** Stitching/Sewing Machine  
**NT1** Table Saw  
**NT1** Turbine  
**NT1** Vacuum Cleaner  
**RT** DOE FRASE Categories  
**SO** DOE FRASE VOCABULARY  
**DEF** A subject category used with the DOE FRASE Vocabulary.

**MACHINIST**  
 (0681 MACHINIST)  
**DA** November 28, 1990  
**BT1** Precision/Production Personnel  
**BT2** Occupations  
**BT2** Personnel  
**SO** DOE FRASE VOCABULARY

**MAGAZINE SEPARATION**  
 (DOE Order 6430.1A)  
**DA** October 12, 1990  
**BT1** Quantity Distances  
**BT2** Measurements  
**RT** Magazines (Buildings)  
**SO** Construction  
**DEF** (DOE Order 6430.1A) The minimum quantity-distance separation between magazines (not including service magazines) within a storage area. Siting of magazines within a storage area with respect to one another and location of facilities such as guard shelters and loading docks in storage areas are covered in DOD 6055.9. Maximum explosives weight shall be used in determining separation distances.

**MAGAZINE VESSELS**  
 (SWDA; RCRA; ESH)  
**DA** October 12, 1990  
**RT** Explosives Activities  
**SO** Hazardous Materials  
**DEF** (CFR) Vessels used for receiving, storing, or dispensing of explosives.

**MAGAZINES**  
 (DOE Order 5480.16)  
**DA** October 12, 1990  
**RT** Automatic Rifles  
**RT** Double Action Semiautomatic Pistols  
**RT** Machine Pistols  
**RT** Semiautomatic Firearms  
**RT** Single Action Semiautomatic Pistols

**SO** Firearms  
**DEF** (DOE Order 5480.16) Mechanical devices used to hold a predetermined number of cartridges in position for feeding into a weapon.

**MAGAZINES (BUILDINGS)**  
 (DOE Order 6430.1A)  
**DA** October 16, 1990  
**NT1** Service Magazine  
**RT** Magazine Separation  
**RT** Quantity Distances  
**SO** Construction  
**DEF** (DOE Order 6430.1A) Buildings or structures, except an operating building, used for the storage of ammunition or explosives.

**MAGNEFORMING**  
 (NFI)  
**DA** October 12, 1990  
**BT1** Manufacturing Processes  
**BT2** Processes  
**SO** Nuclear Facilities Incident Database  
**SO** Radiation  
**DEF** (NFI) Part of fabrication process of fuel subassemblies.

**MAGNESIUM FLUORIDE**  
**DA** January 8, 1991  
**SF**  $MgF_2$

**MAGNETIC/ELECTROLYTIC APPARATUS**  
 (2402 MEA)  
**DA** January 3, 1991  
**BT1** Equipment/Parts - Electrical (DOE FRASE Vocabulary)  
**BT2** Equipment  
**SO** DOE FRASE VOCABULARY

**MAIN AND TRIM**  
 (NFI)  
**DA** October 12, 1990  
**SF** M&T  
**SO** Radiation  
**DEF** (NFI) Switches on control rod drive amplifiers.

**MAIN FEEDWATER**  
**DA** January 8, 1991  
**SF** MFW  
**BT1** Feedwater

**MAIN FEEDWATER AND CONDENSATE SYSTEM**  
**DA** January 8, 1991  
**SF** MFWCS  
**BT1** Systems

**MAIN STEAM ISOLATION VALVE**  
**DA** January 8, 1991  
**SF** MSIV  
**BT1** Valves  
**BT2** Devices

**MAINTENANCE**  
 (DOE Order 4330.4A; SWDA; RCRA; ESA; CFR; MORT)  
**DA** October 12, 1990  
**BT1** Activities  
**NT1** Active Maintenance  
**NT1** Building/Equip Maint/Repair Activity  
**NT1** Corrective Repair Maintenance  
**NT1** Grounds Maintenance Activity  
**NT1** Predictive Maintenance  
**NT1** Preventive Maintenance  
**NT1** Reliability-Centered Maintenance  
**NT1** Source Control Maintenance Measures  
**NT1** Surveillance and Maintenance  
**NT1** Vehicle Maint/Repair Activity  
**NT1** Wastewater Operations and Maintenance  
**RT** Condition Assessment Surveys  
**RT** Controls  
**RT** First Line Supervision  
**RT** Higher Supervision  
**RT** Inspections  
**RT** Maintenance Plans  
**RT** Maintenance Backlog  
**RT** Operability  
**RT** Self-Assessment  
**RT** Technical Information Systems  
**RT** Technical Information  
**RT** Underground Storage Tanks  
**SO** Wastes  
**DEF** (DOE Order 4330.4A) Day-to-day work that is required to maintain and preserve plant and capital equipment in a condition suitable for it to be used for its designated purpose. This includes preventive, predictive, and corrective repair maintenance. (DSTT) The required upkeep of industrial facilities and equipment. (MORT) MORT analysis asks: was there adequate maintenance of equipment, processes, utilities, operations, etc.?

**MAINTENANCE AREA**  
 (1612 MAINT AREA)  
**DA** December 10, 1990  
**BT1** Area  
**BT2** Sites/Areas  
**RT** Garage  
**RT** Mechanic/Repairer  
**SO** DOE FRASE VOCABULARY

**MAINTENANCE BACKLOG**  
 (DOE Order 4330.4A)  
**DA** June 5, 1991  
**RT** Fiscal Year  
**RT** Maintenance  
**SO** Management  
**DEF** (DOE Order 4330.4A) The amount of maintenance and repair work not accomplished at the end of the fiscal year that is needed or planned to sustain the assigned mission.

**MAINTENANCE INFORMATION AND CONTROL**

DA January 8, 1991  
SF *MIAC*  
BT1 Controls

**MAINTENANCE MANAGEMENT**

(DOE Order 4330.4A)  
DA June 5, 1991  
BT1 Management  
RT Compliance Considerations  
RT Industrial Hygiene  
RT Industrial Safety  
RT Inspections  
RT Plans  
RT Procedures  
RT Quality Control  
RT Self-Assessment  
SO Management

DEF (DOE Order 4330.4A) The administration of a program utilizing such concepts as organization, plans, procedures, schedules, cost control, periodic evaluation, and feedback for the effective performance and control of maintenance with adequate provisions for interface with other concerned disciplines such as health, safety, environmental compliance, quality control, and security. All work done in conjunction with existing property is either maintenance (preserving), repair (restoring), service (cleaning and making usable), or improvements. The work to be considered under the DOE maintenance management program is only that for maintenance and repair.

**MAINTENANCE PLANS**

(DOE Order 4330.4A; MORT)  
DA April 3, 1991  
BT1 Plans  
RT Design and Development Plans  
RT Field Operations Plans  
RT General Design Process  
RT Human Factors  
RT Inspection Plans  
RT Maintenance  
RT Operational Safety Requirements  
RT Operational Specifications  
DEF (DOE Order 4330.4A) A narrative description of a site's maintenance program. The plan should be a real time document which is updated at least annually and which addresses all elements of a successful Maintenance Program. The plan should describe the backlog and strategies to reduce the backlog, as well as the maintenance funding required to sustain the assigned mission. The maintenance plan should integrate individual maintenance activities addressed under each functional unit life cycle plan. (MORT) MORT

analysis asks: is maintenance of an operation or facility given consideration during the conceptual phase and on through the rest of the life cycle? is there an adequate maintenance plan? was the maintenance plan broad enough to include all the areas that should be maintained? was management aware of those areas not included in the plan? was there adequate execution of the maintenance plan?

**MAINTENANCE REQUIREMENT CARD**

DA January 8, 1991  
SF *MRC*

**MAINTENANCE SHOP**

(1785 MAINT SHOP)  
DA December 10, 1990  
BT1 Building (DOE FRASE Vocabulary)  
BT2 Facilities and Buildings (DOE FRASE Vocabulary)  
BT3 Facilities  
RT Garage  
RT Mechanic/Repairer  
SO DOE FRASE VOCABULARY

**MAINTENANCE TEAM INSPECTION**

DA January 8, 1991  
SF *MTI*  
BT1 Inspections  
BT2 Administrative Processes  
BT3 Processes

**MAINTENANCE WORK ORDER**

DA January 8, 1991  
SF *MWO*

**MAJOR CONSTRUCTION ACTIVITIES**

(ESA; CFR)  
DA October 12, 1990  
BT1 Activities  
BT1 Construction Projects  
BT2 Projects  
SO Endangered Species  
DEF (CFR) Construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as referred to in the National environmental Policy Act [NEPA, 42 U.S.C. 4332(2)(C)].

**MAJOR DISCHARGES**

(CERCLA; CFR)  
DA October 12, 1990  
BT1 Discharges  
BT1 Oil Spills  
BT1 Size Classes of Discharges  
DEF (CFR) Discharges of more than 10,000 gallons of oil to the inland waters or more than 100,000 gallons of oil to the coastal waters.

**MAJOR EMITTING FACILITIES**

(CAA; USC)  
DA October 12, 1990  
BT1 Major Stationary Source  
BT2 Stationary Sources  
BT3 Facilities  
SO Air Pollution  
DEF (USC) Any stationary facilities or sources of air pollutants which directly emits, or has the potential to emit, one hundred tons per year or more of any air pollutant (including any major emitting facility or source of fugitive emissions of any such pollutant, as determined by rule by the administrator).

**MAJOR FACILITIES**

(SWDA; RCRA; CFR)  
DA October 12, 1990  
BT1 Facilities  
SO Wastes  
DEF (CFR) Any RCRA, UIC, NPDES, or 404 "facility or activity" classified as such by the Regional Administrator, or, in the case of "approved State programs," the Regional Administrator in conjunction with the State Director.

**MAJOR MODIFICATION**

(EPA)  
DA October 12, 1990  
SY Major PSD Modification  
BT1 Modification  
BT2 Administrative Processes  
BT3 Processes  
RT Best Available Retrofit Technology  
RT Major Stationary Source  
SO Environmental Protection Agency Glossary  
DEF (EPA) This term is used to define modifications with respect to Prevention of Significant Deterioration and New Source Review under the Clean Air Act and refers to modifications to major stationary sources of emissions and provides significant pollutant increase levels below which a modification is not considered major.

**MAJOR PSD MODIFICATION**

(CFR)  
DA October 26, 1990  
SY Major Modification  
BT1 Modification  
BT2 Administrative Processes  
BT3 Processes  
RT Major Stationary Source  
RT Regulated Activities  
DEF (CFR) A "major modification" as defined in 40 CFR 52.21.

**MAJOR PSD STATIONARY SOURCE**

(SWDA; RCRA; CFR)  
DA October 19, 1990

BT1 Major Stationary Source  
 BT2 Stationary Sources  
 BT3 Facilities  
 RT Regulated Activities  
 SO Wastes  
 DEF (CFR) A "major stationary source" as defined in 40 CFR 52.21(b)(1).

**MAJOR RELEASE**

(CERCLA; CFR)  
 DA October 12, 1990  
 BT1 Releases  
 BT1 Size Classes of Releases  
 DEF (CFR) A release of any quantity of hazardous substance(s), pollutant(s), or contaminant(s) that poses a substantial threat to public health or welfare or the environment or results in significant public concern.

**MAJOR STATIONARY SOURCE**

(CAA; USC; CFR; ESH)  
 DA November 15, 1990  
 BT1 Stationary Sources  
 BT2 Facilities  
 NT1 Major Emitting Facilities  
 NT1 Major PSD Stationary Source  
 RT Major Modification  
 RT Major PSD Modification  
 SO Air Pollution  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) Term used to determine applicability of Prevention of Significant Deterioration and new source regulations. In a nonattainment area, any stationary pollutant source that has a potential to emit more than 100 tons per year is considered a major stationary source. In PSD areas the cutoff level may be either 100 or 250 tons, depending upon the type of source. (See 42 USC 7491 for continuation of definition.)

**MAJOR SYSTEM ACQUISITION**

DA January 8, 1991  
 SF MSA  
 RT Procurement Items  
 RT Procuring Agencies

**MALFUNCTIONS**

(CAA; CFR)  
 DA October 12, 1990  
 BT1 Failures  
 BT2 Accidents  
 SO Air Pollution  
 DEF (CFR) Any sudden failures of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner so that emissions of arsenic are increased.

**MALIGNANT NEOPLASM**

(1395 MALIGNANT NE)

DA November 28, 1990  
 BT1 Illnesses  
 SO DOE FRASE VOCABULARY

**MAN-MADE AIR POLLUTION**

(CAA)  
 DA October 12, 1990  
 BT1 Air Pollution  
 BT2 Pollution  
 SO Air Pollution  
 DEF (USC) Air pollution that results directly or indirectly from human activities.

**MAN-MADE BETA PARTICLE AND PHOTON EMITTERS**

(SDWA; CFR)  
 DA October 12, 1990  
 RT Beta Particles  
 SO Water Pollution  
 DEF (CFR) All radionuclides emitting beta particles and/or photons listed in Maximum Permissible Body Burdens and Maximum Permissible Concentration of Radionuclides in Air or Water for Occupational Exposure, NBS Handbook 69, except the daughter products of thorium-232, uranium-235 and uranium-238.

**MANAGEMENT**

(SWDA; RCRA; WTID)  
 DA October 19, 1990  
 NT1 Best Management Practices  
 NT1 Environmental Management  
 NT1 Line Management  
 NT1 Loss Control Management  
 NT1 Maintenance Management  
 NT1 Management by Objective  
 NT1 Risk Management  
 NT1 Subordinate Management  
 RT Chain of Command  
 RT Concept of Operations  
 RT Emergency Management Coordination Committee  
 RT Program Offices  
 RT Program Secretarial Officers  
 RT Program Senior Officials  
 RT Program Managers  
 RT Senior Management Officials  
 RT Top Management  
 RT Water Management Division Director  
 SO System Safety Development Center Glossary  
 SO Wastes  
 DEF (SSDC) All personnel above the level of job and task supervisors serving in a command role within the organizational structure. (WTID) The act or art of managing. This includes the executive function of planning, organizing, coordinating, directing, controlling and supervising any industrial or business projects or activities with responsibility for the results.

**MANAGEMENT AND OPERATING CONTRACTOR FOR DOE FACILITY**  
 DA January 8, 1991  
 SF M&O

**MANAGEMENT AND ORGANIZATION ASSESSMENT**

(TTGM)  
 DA May 6, 1991  
 BT1 Tiger Team Assessments  
 BT2 Assessments  
 BT3 Administrative Processes  
 BT4 Processes  
 RT Environment Assessments  
 RT Safety and Health Assessments  
 SO Management  
 DEF (TTGM) An assessment to evaluate the effectiveness and identify the strengths and weaknesses in DOE and site contractor management and administration of ES&H programs. A pragmatic "bottom up" assessment which is integrated with, and somewhat driven by, the findings identified by the concurrently performed Environment, and Safety and Health Assessments. Information/documents gathered in support of this assessment would include: organization charts and functions, facility/site layout, description of operations, prior TSAs, Environmental Survey, Operations Office and other appraisals, MOUs, contract provisions, legislated federal and state requirements, past appraisal/inspection results/corrective actions, internal self-assessments/corrective actions, selected DOE and contractor policies, Orders, and correspondence, incident reports, UORs, budgetary requests for corrective actions, etc.

**MANAGEMENT APPRAISALS**

(DOE Orders 5482.1B and 5700.6B; ESH)  
 DA October 12, 1990  
 BT1 Appraisals  
 NT1 Functional Appraisals  
 NT1 Internal Appraisals  
 RT Criteria  
 RT Findings  
 RT Functional Appraisals  
 RT Internal Appraisals  
 RT Quality Assurance  
 SO Construction  
 SO Management  
 SO System Safety Development Center Glossary  
 DEF (SSDC) Documented determinations of managerial effectiveness in establishing and implementing ES&H program plans that conform to DOE policy requirements. These are based on analyses of functional appraisals,

internal appraisals, and other information, and on the application of appropriate criteria. The appraisals are reviews and evaluations of management performance covering all ES&H disciplines and management responsibilities to assure proper program balance.

**MANAGEMENT BY OBJECTIVE**

(SSDC)  
 DA October 12, 1990  
 SF MBO  
 BT1 Management  
 RT Management Systems  
 SO System Safety Development Center Glossary  
 DEF (SSDC) A management system wherein each manager establishes objectives (goals) consistent with the overall organizational objectives. The four basic steps in MBO include: (1) define the job (key responsibilities and duties); (2) define the expected results (objectives); (3) measure the results; and (4) appraisal (providing feedback on results and establishing necessary modification to objectives to achieve expected results during the next performance period).

**MANAGEMENT OF MIGRATIONS**

(CERCLA, CFR)  
 DA October 12, 1990  
 RT Discharges  
 RT Leaks  
 RT Plumes  
 RT Releases  
 RT Spills  
 SO Compensation and Liability  
 DEF (CFR) Actions that are taken to minimize and mitigate the migration of hazardous substances or pollutants or contaminants and the effects of such migration. Management of migration actions may be appropriate where the hazardous substances or pollutants or contaminants are no longer at or near the area where they were originally located or situations where a source cannot be adequately identified or characterized. Measures may include, but are not limited to, provision of alternative water supplies, management of a plume of contamination, or treatment of a drinking water aquifer.

**MANAGEMENT OVERSIGHT AND RISK TREE**

(SSDC)  
 DA October 12, 1990  
 SF MORT  
 BT1 Fault Tree  
 BT2 Analytical (Logic) Trees

BT3 Diagrams  
 RT Oversights and Omissions  
 RT Root Causes  
 SO System Safety Development Center Glossary  
 DEF (SSDC) A formal, disciplined logic or decision tree to relate and integrate a wide variety of safety concepts systematically. As an accident analysis technique, it focuses on three main concerns: specific oversights and omissions, assumed risks, and general management system weaknesses.

**MANAGEMENT SYSTEM FACTORS**

(MORT)  
 DA April 2, 1991  
 RT Implementation  
 RT Policies  
 RT Risk Assessment  
 RT Root Causes  
 RT Root Cause Analysis  
 RT Specific Control Factors  
 SO Management  
 DEF (MORT) MORT analysis ask this question: Are all the factors of the management system necessary, sufficient, and organized in such a manner as to assure that the overall program will be "as advertised" to the customer, to the public, to the organization itself, and to other groups as appropriate?

**MANAGEMENT SYSTEMS**

(SSDC)  
 DA October 12, 1990  
 BT1 Systems  
 RT Management by Objective  
 RT Priority Problem List  
 RT Program Evaluation and Review Technique  
 SO System Safety Development Center Glossary  
 DEF (SSDC) The organizational structures and operating philosophies of companies, projects, or organizations. Management may follow a textbook model, such as PERT or MBO, in their management system but the model is usually modified in philosophy and even more in actual operation.

**MANAGEMENT TEAMS**

DA February 14, 1991  
 BT1 Teams  
 BT2 Administrative Organizations  
 BT3 Organizations  
 NT1 Accreditation Review Teams  
 NT1 Continuity of Government Emergency Management Teams  
 NT1 Crisis Management Teams  
 NT1 Emergency Management Teams  
 NT2 Energy Emergency Management Teams

NT2 Operational Emergency Management Teams  
 NT1 Headquarters Coordinating Teams

**MANAGER/ADMINISTRATOR**

(0110 MANAGER)  
 DA November 28, 1990  
 SO DOE FRASE VOCABULARY

**MANATEE PROTECTION AREAS**

(ESA; CFR)  
 DA October 12, 1990  
 BT1 Sites/Areas  
 NT1 Manatee Refuges  
 NT1 Manatee Sanctuaries  
 SO Endangered Species  
 DEF (CFR) Manatee refuges or a manatee sanctuaries.

**MANATEE REFUGES**

(ESA; CFR)  
 DA October 12, 1990  
 BT1 Manatee Protection Areas  
 BT2 Sites/Areas  
 BT1 Wildlife Refuges  
 BT2 Habitats  
 SO Endangered Species  
 DEF Areas in which the Director has determined that certain waterborne activity would result in the taking of one or more manatees, or that certain waterborne activity must be restricted to prevent the taking of one or more manatees, including but not limited to a taking by harassment.

**MANATEE SANCTUARIES**

(ESA; CFR)  
 DA October 12, 1990  
 BT1 Manatee Protection Areas  
 BT2 Sites/Areas  
 SO Endangered Species  
 DEF Areas in which the Director has determined that any waterborne activity would result in a taking of one or more manatees, including but not limited to a taking by harassment.

**MANDATORY CLASS I FEDERAL AREAS**

(CAA; CFR)  
 DA November 15, 1990  
 BT1 Federal Class I areas  
 BT2 Air Quality Control Regions  
 BT3 Sites/Areas  
 BT2 Federal Facilities  
 BT3 Facilities  
 RT Integral Vista  
 RT Significant Impairment  
 SO Air Pollution  
 DEF (CFR) Areas identified in 40 CFR 81, Subpart D. (CAA) Federal areas which may not be designated as other an class I under 42 USC 7491 Sec. 169A.

**MANDATORY STANDARDS**

(Doe Order 5480.4)  
 DA October 12, 1990  
 BT1 Standards  
 BT2 Codes, Standards, and Regulations  
 RT Field Level Exemptions  
 RT Permanent Exemptions  
 RT Temporary Exemptions  
 SO Management  
 SO Standards  
 DEF (DOE Order 5480.4) Those standards of this Order adopted by DOE that define the minimum requirements that DOE and its contractors must comply with to the extent they apply to the activities being conducted.

**MANGANESE 54**

(EDB)  
 DA March 29, 1991  
 BT1 Days Living Radioisotopes  
 BT2 Radionuclides  
 BT3 CERCLA Hazardous Substances  
 BT4 Hazardous Substances  
 BT3 Nuclides  
 SO Radiation

**MANIFEST DOCUMENT NUMBER**

(SWDA; RCRA)  
 DA October 12, 1990  
 RT Manifests  
 RT Reports  
 SO Wastes  
 DEF The U.S. EPA twelve-digit identification number assigned to the generator plus a unique five-digit document number assigned to the Manifest by the generator for recording and reporting purposes.

**MANIFESTS**

(RCRA; ANL)  
 DA May 24, 1991  
 RT Hazardous Wastes  
 RT Manifest Document Number  
 RT Transportation  
 SO Management  
 SO Wastes  
 DEF (RCRA) The forms used for identifying the quantity, composition, and the origin, routing, and destination of hazardous waste during transportation from the point of generation to the point of disposal, treatment, or storage.

**MANIPULATOR**

(2578 MANIPULATOR)  
 DA January 3, 1991  
 BT1 Equipment/Parts - Nuclear (DOE FRASE Vocabulary)  
 BT2 Equipment  
 BT2 Reactor Components  
 NT1 Electromechanical Manipulator(s)

RT Manipulator Tape  
 SO DOE FRASE VOCABULARY

**MANIPULATOR TAPE**

(2333 MANIP TAPE)  
 DA December 11, 1990  
 BT1 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)  
 BT2 Equipment  
 RT Manipulator  
 SO DOE FRASE VOCABULARY

**MANLIFT(S)**

(2334 MANLIFT)  
 DA December 10, 1990  
 BT1 Hoisting Apparatus  
 BT2 Material Handling Device  
 BT3 Devices  
 BT3 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)  
 BT4 Equipment  
 SO DOE FRASE VOCABULARY

**MANNED CONTROL CENTERS**

(TSCA; CFR)  
 DA October 19, 1990  
 BT1 Centers  
 SO Hazardous Materials  
 DEF (CFR) Electrical power distribution control rooms where the operating conditions of a PCB Transformer are continuously monitored during the normal hours of operation (of the facility), and, where the duty engineers, electricians, or other trained personnel have the capability to deenergize a PCB Transformer completely within 1 minute of the receipt of a signal indicating abnormal operating conditions such as an overtemperature condition or overpressure condition in a PCB Transformer.

**MANUAL REACTOR SCRAM**

(1553 MANUAL REACT)  
 DA November 29, 1990  
 SY Action Charlie  
 BT1 Nature of Property Damage  
 BT1 Scram  
 BT2 Reactor Shutdown  
 RT Automatic Reactor Scram  
 RT Nuclear Facility  
 RT Unscheduled Shutdown  
 RT Violations  
 SO DOE FRASE VOCABULARY

**MANUFACTURE**

(CERCLA; TSCA; SDWA; CFR; USC; ESH)  
 DA October 12, 1990  
 SO Compensation and Liability  
 SO Environmental Management  
 SO Hazardous Materials  
 DEF (CFR) Activity associated with manufacturing for commercial

purposes. (ES&H Audit Manual) Manufacture means to produce, manufacture, or import into the customs territory of the United States for commercial purposes. [Regarding Toxic Chemicals] To produce, prepare, import, or compound a toxic chemical. Manufacture also applies to a toxic chemical that is produced coincidentally during the manufacture, processing, use, or disposal of another chemical or mixture of chemicals, including a toxic chemical that is separated from that other chemical or mixture of chemicals as a byproduct, and a toxic chemical that remains in that other chemical or mixture of chemicals as an impurity.

**MANUFACTURERS FORMULATION**

(EPA)  
 DA October 12, 1990  
 BT1 Formulation  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) A list of substances or component parts as described by the maker of a coating, pesticide.

**MANUFACTURING PROCESSES**

DA February 26, 1991  
 BT1 Processes  
 NT1 Fabricating  
 NT1 Magnefforming  
 NT1 Pouring  
 NT1 Producing (Special Nuclear Materials)  
 NT1 Roasting  
 NT1 Side-Stream Extraction  
 RT Acid Deposition  
 RT Acid Rain

**MAP**

DA May 15, 1991  
 SEE Mitigation Action Plans  
 SO Acronyms

**MAPS**

(SSDC)  
 DA October 12, 1990  
 RT Bench Marks  
 RT Diagrams  
 SO System Safety Development Center Glossary  
 DEF (SSDC) Drawings used to illustrate the physical relationships of elements of people, equipment, materials and environmental structures associated with an accident or incident.

**MARGIN OF CONTROL (CRITICALITY)**

DA January 8, 1991  
 SF MOC

**MARINE SANITATION DEVICES**

(EPA)

DA October 12, 1990  
 BT1 Devices  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) Any equipment installed on board a vessel to receive, retain, treat, or discharge sewage and any process to treat such sewage.

**MARKET/MARKETERS**

(TSCA: CFR)  
 DA October 12, 1990  
 SO Hazardous Materials  
 DEF (CFR) The processing or distributing in commerce, or the persons who process or distribute in commerce, used oil fuels to burners or other marketers, and may include the generators of the fuel if they market the fuel directly to the burner.

**MARKS**

(TSCA: CFR; ESH)  
 DA October 12, 1990  
 BT1 Labeling  
 BT2 Labels  
 RT Name of Contents  
 RT Polychlorinated Biphenyls  
 RT Proper Shipping Name  
 SO Hazardous Materials  
 DEF (CFR) The descriptive name, instructions, cautions, or other information applied to PCBs and PCB items, or other objects subject to these regulations.

**MARSHES**

(EPA)  
 DA October 12, 1990  
 BT1 Wetlands  
 BT2 Sites/Areas  
 BT2 Surface Water Resources  
 BT3 Natural Resources  
 NT1 Tidal Marshes  
 RT Channelization  
 RT Surface Waters  
 RT Swamps  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) A type of wetland that does not accumulate appreciable peat deposits and is dominated by herbaceous vegetation. Marshes may be either freshwater or saltwater and tidal or nontidal.

**MARTIN MARIETTA ENERGY SYSTEMS**

DA January 8, 1991  
 SF MMES  
 BT1 Companies  
 BT2 Commercial Organizations  
 BT3 Organizations  
 BT1 DOE Contractors  
 BT2 Potentially Responsible Parties  
 RT Oak Ridge Operations Office  
 RT Oak Ridge Gaseous Diffusion Plant  
 RT Oak Ridge National Laboratory

RT Portsmouth Gaseous Diffusion Plant  
 RT Waste Information Network  
 RT Y-12 Plant

**MASON**

(0641 MASON)  
 DA November 28, 1990  
 BT1 Repair/Construction Personnel  
 BT2 Occupations  
 BT2 Personnel  
 SO DOE FRASE VOCABULARY

**MASON AND HANGER-SILAS MASON CO.**

DA January 11, 1991  
 BT1 Companies  
 BT2 Commercial Organizations  
 BT3 Organizations  
 BT1 DOE Contractors  
 BT2 Potentially Responsible Parties  
 RT Albuquerque Operations Office

**MASS ATTENUATION COEFFICIENT (IAEA)**

DA October 12, 1990  
 BT1 Measurements  
 SO Radiation  
 DEF (IAEA) For a material for uncharged ionizing particles, the quotient of  $dN/N$  by  $pdl$ , where  $dN/N$  is the fraction of particles that experience interactions in traversing a distance  $dl$  in a material of density  $p$ .

**MASS CONCRETE**

(DOE Order 6430.1A)  
 DA October 12, 1990  
 SO Construction  
 DEF (DOE Order 6430.1A) A large volume of cast-in-place concrete with dimensions large enough to require that measures be taken to cope with the generation of heat and attendant volume change and to minimize cracking.

**MASS ENERGY ABSORPTION COEFFICIENT (IAEA)**

DA October 12, 1990  
 BT1 Measurements  
 RT Bremsstrahlung  
 RT Mass Energy Transfer Coefficient  
 SO Radiation  
 DEF (IAEA) For a material for uncharged ionizing particles the Mass Energy Absorption Coefficient is the product of the mass energy transfer coefficient and  $(1 - g)$ , where  $g$  is the fraction of the energy of secondary charged particles that is lost to bremsstrahlung in the material.

**MASS ENERGY TRANSFER COEFFICIENT (IAEA)**

DA October 12, 1990  
 BT1 Measurements  
 RT Mass Energy Absorption Coefficient  
 SO Radiation  
 DEF (IAEA) For a material for uncharged ionizing particles, the quotient of  $dE_{\text{tr}}/EN$  by  $pdl$ , where  $E$  is the energy of each particle (excluding rest energy),  $N$  is the number of particles, and  $dE_{\text{tr}}/EN$  is the fraction of incident particle energy that is transferred to kinetic energy of charged particles by interactions in traversing a distance  $dl$  in the material of density  $p$ .

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**

DA January 8, 1991  
 SF MIT  
 BT1 Universities  
 BT2 Educational Organizations  
 BT3 Organizations

**MATERIAL ACCESS AREAS**

(DOE Order 6430.1A)  
 DA October 12, 1990  
 BT1 Sites/Areas  
 RT Protected Areas  
 SO Construction  
 DEF (DOE Order 6430.1A) Areas that contain a Category 1 quantity of special nuclear material and are specifically defined by physical barriers, located within a protected area, and subject to specific access controls.

**MATERIAL BALANCE AREA**

(DOE Order 6430.1A)  
 DA October 12, 1990  
 SO Construction  
 DEF (DOE Order 6430.1A) A subsidiary account of a facility designed to establish accountability and to localize inventory differences.

**MATERIAL HANDLING ACTIVITY**

(1237 MH ACTIVITY)  
 DA November 28, 1990  
 BT1 Activity Types (DOE FRASE Vocabulary)  
 BT2 Activities  
 SO DOE FRASE VOCABULARY

**MATERIAL HANDLING DEVICE**

(2335 MH DEVICE)  
 DA December 10, 1990  
 BT1 Devices  
 BT1 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)  
 BT2 Equipment  
 NT1 Conveyor(s)  
 NT1 Crane(s)  
 NT2 Boom Crane  
 NT2 Bridge Crane  
 NT2 Mobile Crane  
 NT2 Overhead Crane

NT1 Earth Moving Equipment  
 NT2 Dredge(s)  
 NT1 Hand Truck(s)  
 NT2 Cart(s)  
 NT2 Dolly  
 NT1 Hoisting Apparatus  
 NT2 Derrick  
 NT2 Elevator  
 NT2 Forklift(s)  
 NT2 Hoist(s)  
 NT3 Air Hoist  
 NT2 Lift Bucket  
 NT2 Manlift(s)  
 NT2 Scissor Lift  
 SO DOE FRASE VOCABULARY

**MATERIAL NONCONFORMANCE REPORT**  
 DA January 8, 1991  
 SF *MNCR*  
 BT1 Reports

**MATERIAL SAFETY DATA SHEETS**  
 (CERCLA; CFR; USC; EPA; EMER)  
 DA October 12, 1990  
 SF *MSDS*  
 RT Occupational Safety and Health Administration  
 RT Safety Guides  
 SO Compensation and Liability  
 SO Emergency Preparedness  
 SO Environmental Management  
 SO Environmental Protection Agency Glossary  
 DEF (CFR) Compilation of information required under the OSHA Communication Standard on the identity of hazardous chemicals, health, and physical hazards, exposure limits, and precautions. Section 311 of SARA (Superfund Amendments and Reauthorization Act) required facilities to submit MSDSs under certain circumstances. The sheet required to be developed is under 29 CFR 1910.1200(g).

**MATERIALS**  
 DA February 4, 1991  
 NT1 Asbestos Materials  
 NT2 Asbestos-containing Materials  
 NT3 Friable Asbestos-Containing Materials  
 NT2 Asbestos-Containing Waste Materials  
 NT3 Asbestos Tailings  
 NT3 Asbestos Waste from Control Devices  
 NT2 Friable Asbestos Materials  
 NT2 Particulate Asbestos Materials  
 NT1 By-products  
 NT2 By-Product Materials  
 NT3 Uranium By-Product Materials  
 NT1 Cover Materials  
 NT2 Daily Cover  
 NT2 Final Cover  
 NT2 Intermediate Cover  
 NT1 Dielectric Materials  
 NT1 Discarded Materials

NT1 Dredged Materials  
 NT1 Fill Materials  
 NT1 Fissionable Materials  
 NT1 Hazardous Materials  
 NT2 Corrosive Materials  
 NT2 Fissile Materials  
 NT2 Hazardous Wastes  
 NT3 Extremely Hazardous Wastes  
 NT3 Incompatible Wastes  
 NT3 Listed Wastes  
 NT3 Piles (Wastes)  
 NT4 Disposal Areas  
 NT3 State Hazardous Wastes  
 NT2 Moderators (Nuclear)  
 NT2 Residues  
 NT3 Wood Residues  
 NT1 Holdup (Nuclear Material)  
 NT1 In-Process Materials  
 NT1 In-Use Materials  
 NT1 Irritating Materials  
 NT1 Licensed Materials  
 NT2 Source Materials  
 NT2 Special Nuclear Materials  
 NT3 Special Nuclear Material Scrap  
 NT3 Special Nuclear Material of Low Strategic Significance  
 NT3 Strategic Special Nuclear Materials  
 NT1 Other Regulated Material  
 NT2 Other Regulated Material - A  
 NT2 Other Regulated Material - B  
 NT2 Other Regulated Material - C  
 NT2 Other Regulated Material - D  
 NT2 Other Regulated Material - E  
 NT1 Oxidizing Materials  
 NT1 Pyrophoric Materials  
 NT2 Pyrophoric Liquids  
 NT1 Radioactive Materials  
 NT2 Airborne Radioactive Materials  
 NT2 Low Specific Activity Materials  
 NT2 Naturally Occurring Radioactive Material  
 NT2 Normal Form Radioactive Materials  
 NT2 Residual Radioactive Materials  
 NT2 Special Form Radioactive Materials  
 NT1 Radioactive Substances  
 NT1 Reactor Materials  
 NT2 Nuclear Poisons  
 NT1 Recovered Materials  
 NT1 Recycled Materials  
 NT1 Shielding Materials  
 NT1 Solids  
 NT2 Dissolved Solids  
 NT2 Flammable Solids  
 NT2 Precipitates  
 NT2 Settleable Solids  
 NT2 Total Dissolved Solids  
 NT2 Total Suspended Solids  
 NT1 Special Form  
 NT1 Spent Materials  
 NT1 Spontaneously Combustible Materials  
 NT1 Transuranic (TRU) Contaminated Materials  
 NT1 Virgin Materials  
 NT1 Water Reactive Materials

**MATERIALS BALANCE AREA**  
 DA January 8, 1991  
 SF *MBA*

**MATERIALS TEST REACTOR**  
 DA January 8, 1991  
 SF *MTR*  
 BT1 Reactors

**MATRICES**  
 (SSDC)  
 DA October 12, 1990  
 SO System Safety Development Center Glossary  
 DEF (SSDC) Any multi-dimensional classification or chart.

**MATRIX ORGANIZATIONS**  
 (SSDC)  
 DA October 12, 1990  
 BT1 Organizations  
 RT Project Managers  
 SO System Safety Development Center Glossary  
 DEF (SSDC) Organizations wherein a project manager temporarily borrows the talent he needs on the project from a functional department. The project manager supervises the people borrowed during the loan period, not the functional department head.

**MATRIX/SPIKE-DUPLICATE ANALYSIS**  
 (ESH)  
 DA October 12, 1990  
 BT1 Analyses  
 SO Quality Assurance  
 DEF (ESH) In matrix/spike duplicate analysis, predetermined quantities of stock solutions of certain analytes are added to a sample matrix prior to sample extraction/digestion and analysis. Samples are split into duplicate, spike and analyzed. Percent recoveries are calculated for each of the analytes detected. The relative percent difference between the samples is calculated and used to assess analytical precision. The concentration of the spike should be at the regulatory standard level or the estimated or actual method quantification limit.

**MAXIMAL EFFECTIVE PRESSURE**  
 (DOE Order 6430.1A)  
 DA October 12, 1990  
 BT1 Pressure  
 RT Peak Positive Incident Pressure  
 SO Construction  
 DEF (DOE Order 6430.1A) The highest of: (1) the peak incident pressure, (2) the incident plus dynamic pressure, or (3) the reflected pressure.

**MAXIMUM CONCENTRATION LIMITS**

DA January 8, 1991  
 SF *MCLs*  
 BT1 Limits

**MAXIMUM CONTAMINANT LEVEL GOAL**

(SDWA; CFR; ESH)  
 DA October 12, 1990  
 SF *MCLG*  
 RT Contaminants  
 RT Maximum Contaminant Levels  
 SO Water Pollution  
 DEF (CFR) The maximum level of a contaminant in drinking water at which no known or anticipated adverse effect on the health of persons would occur, and which allows an adequate margin of safety. Maximum contaminant level goals are nonenforceable health goals.

**MAXIMUM CONTAMINANT LEVELS**

(SDWA; CFR; USC; ESH)  
 DA October 12, 1990  
 SF *MCL*  
 NT1 Secondary Maximum Contaminant Levels  
 NT1 Secure Maximum Contaminant Levels  
 RT Contaminants  
 RT Maximum Contaminant Level Goal  
 RT Recommended Maximum Contaminant Level  
 RT Sanitary Surveys  
 SO Environmental Management  
 SO Environmental Protection Agency Glossary  
 SO Water Pollution  
 DEF (CFR) The maximum permissible levels of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of a public water system, except in the case of turbidity where the maximum permissible level is measured at the point of entry to the distribution system. Contaminants added to the water under circumstances controlled by the user, except those resulting from corrosion of piping and plumbing caused by water quality, are excluded from this definition.

**MAXIMUM CREDIBLE ACCIDENT**

DA January 8, 1991  
 SF *MCA*  
 BT1 Credible Accidents  
 BT2 Accidents  
 RT Health Hazards

**MAXIMUM CREDIBLE LOSS**

(Doe Order 5480.7)  
 DA October 12, 1990  
 BT1 Losses  
 RT Maximum Possible Fire Loss

SO Fires  
 DEF (DOE Order 5480.7) The maximum loss that could occur from a combination of events resulting from a single fire. Considerable judgment is required to evaluate the full range of potential losses, but in general, readily conceivable fires in sensitive areas are considered. Examples are power wiring failures in cable trays, flammable liquid spills, and high-value parts storage areas or combustible exposures to sensitive machines. Any installed fire protection systems are assumed to function as designed. Due to the uncertainties of predicting human action, the effect of emergency response is generally omitted except for post-fire actions such as salvage work, shutting down water systems, and restoring production.

**MAXIMUM FORESEEABLE LOSS (SSDC)**

DA October 12, 1990  
 SY Maximum Possible Loss  
 SF *MFL*  
 BT1 Losses  
 RT Maximum Probable Loss  
 SO System Safety Development Center Glossary  
 DEF (SSDC) The largest loss that could possibly happen under the worst circumstances.

**MAXIMUM NORMAL OPERATING PRESSURE**

(DOE Order 5480.3; ESH)  
 DA October 12, 1990  
 BT1 Pressure  
 RT Containment Vessels  
 SO Environmental Management  
 SO Hazardous Materials  
 DEF (DOE Order 5480.3) The maximum gauge pressure that is expected to develop in the containment vessel under the normal conditions of transport.

**MAXIMUM PERMISSIBLE CONCENTRATION**

(NIH; NCRP)  
 DA October 12, 1990  
 SF *MPC*  
 RT Critical Organs  
 SO Radiation  
 DEF (NIH; NCRP) The concentration in air or water that would lead to an amount of radionuclide in the critical organ that would just deliver the maximum permissible dose rate to that organ. A phrase used in the conventional system of units.

**MAXIMUM PERMISSIBLE DOSE (NIH)**

DA October 12, 1990  
 SF *MPD*  
 BT1 Doses  
 RT Dose Limit  
 SO Radiation  
 DEF (NIH) Maximum dose of radiation that may be received by persons working with ionizing radiation, that will produce no detectable damage over the normal life span.

**MAXIMUM POSSIBLE FIRE LOSS**

(Doe Order 5480.7)  
 DA October 12, 1990  
 BT1 Maximum Possible Loss  
 BT2 Losses  
 RT Maximum Credible Loss  
 SO Fires  
 DEF (DOE Order 5480.7) The maximum possible loss that could occur in a single fire area assuming the failure of both automatic and manual fire extinguishing actions.

**MAXIMUM POSSIBLE LOSS (SSDC)**

DA October 12, 1990  
 SY Maximum Foreseeable Loss  
 SF *MPL*  
 BT1 Losses  
 NT1 Maximum Possible Fire Loss  
 SO System Safety Development Center Glossary  
 DEF (SSDC) The largest loss that could possibly happen under the worst circumstances.

**MAXIMUM PROBABLE FLOOD**

(DOE Order 6430.1A)  
 DA October 12, 1990  
 RT Design Basis Floods  
 RT High Tide Line  
 RT Watershed  
 SO Construction  
 DEF (DOE Order 6430.1A) A hypothetical flood (peak discharge, volume, and hydrograph shape) that is considered to be the most severe reasonably possible, based on comprehensive hydro-meteorological application of probable maximum precipitation and other hydrological factors favorable for maximum flood runoff such as sequential storms and snowmelts.

**MAXIMUM PROBABLE LOSS (SSDC)**

DA October 12, 1990  
 BT1 Losses  
 RT Maximum Foreseeable Loss  
 SO System Safety Development Center Glossary

**MAXIMUM TOTAL TRIHALOMETHANE POTENTIAL (MTP)**

(SDWA; CFR; ESH)  
 DA October 19, 1990  
 RT Trihalomethane  
 SO Water Pollution  
 DEF (CFR) The maximum concentration of total trihalomethanes produced in a given water containing a disinfectant residual after 7 days at a temperature of 25 deg. C or above.

**MB**

DA October 12, 1990  
 SEE Machine Basin  
 SO Acronyms

**MBA**

DA October 12, 1990  
 SEE Materials Balance Area  
 SO Acronyms

**MBO**

DA October 12, 1990  
 SEE Management by Objective  
 SO Acronyms

**MCA**

DA October 12, 1990  
 SEE Maximum Credible Accident  
 SO Acronyms

**MCC**

DA October 12, 1990  
 SEE Motor Control Center  
 SO Acronyms

**MCL**

DA October 12, 1990  
 SEE Maximum Contaminant Levels  
 SO Acronyms

**MCLG**

DA October 12, 1990  
 SEE Maximum Contaminant Level Goal  
 SO Acronyms

**MCLs**

DA October 12, 1990  
 SEE Maximum Concentration Limits  
 SO Acronyms

**10 MDLM**

DA October 12, 1990  
 SEE 10-minute Delay Line Gamma Monitor  
 SO Acronyms  
 SO Nuclear Facilities Incident Database

**MDNR**

DA October 12, 1990  
 SEE Missouri Department of Natural Resources  
 SO Acronyms

**MEAN**

(SSDC)  
 DA November 16, 1990  
 RT Mean Annual Loss  
 RT Standard Deviation  
 SO System Safety Development Center Glossary  
 DEF (SSDC) The arithmetic average of all observations or values.

**MEAN ANNUAL LOSS**

(SSDC)  
 DA October 12, 1990  
 BT1 Losses  
 RT Mean  
 SO System Safety Development Center Glossary  
 DEF (SSDC) The average loss per year over a period of years. Sum of losses during a period, divided by years in the period.

**MEAN TIME BETWEEN FAILURES**

DA January 8, 1991  
 SF *MTBF*  
 BT1 Time Designations

**MEAN TIME TO REPAIR**

DA January 8, 1991  
 SF *MTTR*  
 BT1 Time Designations

**MEASUREMENT AND TEST EQUIPMENT**

DA January 8, 1991  
 SF *MTE*  
 BT1 Equipment

**MEASUREMENTS**

DA February 27, 1991  
 NT1 Accuracy  
 NT1 Activity (Nuclear)  
 NT2 Gross Alpha Particle Activity  
 NT2 Gross Beta Particle Activity  
 NT2 Specific Activity  
 NT3 Low Specific Activity  
 NT1 Activity-Median Aerodynamic Diameter  
 NT1 Air Changes Per Hour  
 NT1 Biochemical Oxygen Demand  
 NT1 Biological Oxygen Demand  
 NT1 Body Content  
 NT1 Carrying Capacity  
 NT1 Cation Exchange Capacity  
 NT1 CBOD5  
 NT1 Chemical Oxygen Demand  
 NT1 Coefficient of Haze  
 NT1 Control Width  
 NT1 Count (Radiation Measurement)  
 NT1 Critical Mass  
 NT1 Cumulative Working Level Months  
 NT1 Deposition  
 NT1 Derived Concentration Guide  
 NT1 Difference Deviation  
 NT1 Dose Commitments  
 NT1 Energy Fluence  
 NT1 Energy Flux  
 NT1 Exposure Point Concentration  
 NT1 Extreme Value

NT1 Extreme Value Projection  
 NT1 Flash Point  
 NT1 Flow Weighted Average (Delta T)  
 NT1 Gross Weight  
 NT1 Half Value Layer (Half Thickness)  
 NT1 Heat Input  
 NT1 Hood Capture Efficiency  
 NT1 Inhabited Building Distance  
 NT1 Intake  
 NT2 Acceptable Daily Intake  
 NT2 Annual Limit on Intake  
 NT2 Ingestion  
 NT2 Inhalation  
 NT2 Radioactive Nuclide Intake  
 NT1 Kinetic Rate Coefficient  
 NT1 Linear Energy Transfer  
 NT1 Local Magnitude ( $M_L$ )  
 NT1 Mass Attenuation Coefficient  
 NT1 Mass Energy Absorption Coefficient  
 NT1 Mass Energy Transfer Coefficient  
 NT1 Method Quantification Limits  
 NT1 Moment Magnitude  
 NT1 MQL  
 NT1 Net Explosive Weight  
 NT1 Net Weight  
 NT1 Particle Fluence  
 NT1 Particle Flux  
 NT1 pH  
 NT2 Background Soil Ph  
 NT1 Precision  
 NT1 Process Weight  
 NT1 Process Waste Assessment  
 NT1 Quantity Distances  
 NT2 Intraline Separation (Barricaded)  
 NT2 Intraline Separation (Unbarricaded)  
 NT2 Magazine Separation  
 NT1 Radioactivity Decay Constant  
 NT1 Relative Importance Measure  
 NT1 Specific Ionization  
 NT1 Standard Temperature  
 NT1 Total Suspended Particulates  
 NT1 Total Dissolved Solids  
 NT1 Total Trihalomethanes (TTHM)  
 NT1 Total Mass Stopping Power  
 NT1 Total Indicated Runout  
 NT1 Total Exposure Points  
 NT1 Total Suspended Solids  
 NT1 Total Recordable Cases  
 NT1 Ullage  
 NT1 Vulnerable Zones Radius  
 RT Calibration  
 RT Doses  
 RT Pressure  
 RT Rates  
 RT Ratios  
 RT Standard Curve  
 RT Standard Deviation  
 RT Time Designations  
 DEF (WTID) Areas, quantities, degrees, or capacities obtained by measuring.

**MECHANIC/REPAIRER**

(0610 MECHANIC)  
 DA November 28, 1990  
 BT1 Repair/Construction Personnel  
 BT2 Occupations  
 BT2 Personnel  
 RT Garage

RT Maintenance Area  
 RT Maintenance Shop  
 SO DOE FRASE VOCABULARY

### MECHANICAL AERATION (EPA)

DA October 12, 1990  
 BT1 Aeration  
 BT2 Biological Processes  
 BT3 Processes  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Use of mechanical energy to  
 inject air into water to cause a  
 waste stream to absorb oxygen.

### MECHANICAL DAMAGE (1534 MECH DAMAGE)

DA November 29, 1990  
 BT1 Damage  
 BT2 Nature of Property Damage  
 SO DOE FRASE VOCABULARY

### MECHANICAL TURBULENCE (EPA)

DA October 12, 1990  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Random irregularities of fluid  
 motion in air caused by buildings  
 or mechanical, nonthermal,  
 processes.

### MEDIA

(EPA)  
 DA October 12, 1990  
 BT1 Environment  
 SO Environmental Protection Agency  
 Glossary  
 DEF (EPA) Specific environments – air,  
 water, soil – which are the subject  
 of regulatory concern and  
 activities.

### MEDIAN LETHAL CONCENTRATION (EMER)

DA February 1, 1991  
 RT Exposure  
 SO Emergency Preparedness  
 DEF (EMER) Concentration level at  
 which 50 percent of the test  
 animals die when exposed by  
 inhalation for a specified time  
 period.

### MEDIAN LETHAL DOSE (EMER)

DA February 1, 1991  
 BT1 Doses  
 SO Emergency Preparedness  
 DEF (EMER) Dose at which 50 percent  
 of test animals die following  
 exposure. Dose is usually given in  
 milligrams per kilogram of body  
 weight of the test animal.

### MEDICAL EXPOSURE (IAEA)

DA October 12, 1990  
 BT1 Exposure  
 RT Medical Treatment  
 SO Radiation  
 DEF (IAEA) Exposure of individuals  
 resulting from their medical  
 examination or treatment involving  
 radiation.

### MEDICAL TREATMENT (SSDC)

DA October 12, 1990  
 RT Approved Medical Practitioners  
 RT First Aid  
 RT Medical Exposure  
 RT Triage  
 SO System Safety Development Center  
 Glossary  
 DEF (SSDC) Medical treatment includes  
 treatment (other than first aid)  
 administered by a physician or by  
 registered professional personnel  
 under the standing orders of a  
 physician. Medical treatment does  
 not include first aid treatment  
 (one-time treatment and  
 subsequent observation of minor  
 scratches, cuts, burns, splinters,  
 etc., which do not ordinarily  
 require professional care) even  
 though such care is provided by a  
 physician or registered  
 professional personnel.

### MEDICAL WASTES

(SWDA; RCRA; USC)  
 DA October 12, 1990  
 BT1 Solid Wastes  
 BT2 Wastes  
 RT Infectious Wastes  
 SO Wastes  
 DEF (USC) Solid wastes that are  
 generated in the diagnosis,  
 treatment, or immunization of  
 human beings or animals, in  
 research pertaining thereto, or in  
 the production or testing of  
 biologicals. This term does not  
 include any hazardous waste  
 identified or listed under subtitle C  
 [42 USCS 6921 et seq.] or any  
 household waste as defined in  
 regulations under subtitle C [42  
 USCS 6921 et seq.].

### MEDIUM DISCHARGES

(CERCLA; CFR)  
 DA October 12, 1990  
 BT1 Discharges  
 BT1 Oil Spills  
 BT1 Size Classes of Discharges  
 DEF (CFR) Discharge of 1,000 to 10,000  
 gallons of oil to the inland waters  
 or discharges of 10,000 to  
 100,000 gallons of oil to the  
 coastal waters. Any oil discharge  
 that poses a substantial threat to  
 the public health or welfare or  
 results in critical public concern  
 shall be classified as a major

discharge regardless of this  
 quantitative measure.

### MEGAWATT THERMAL

DA January 8, 1991  
 SF MW  
 BT1 Units of Measure

### MEGGER TESTING (NFI)

DA October 12, 1990  
 RT Electrical Equipment  
 SO Nuclear Facilities Incident Database  
 SO Radiation  
 DEF (NFI) Testing for electrical faults.

### MEMBERS OF THE PUBLIC

(DOE Order 5400.5)  
 DA October 16, 1990  
 RT Comment Periods  
 RT Critical Group  
 RT Public Doses  
 DEF (DOE Order 5400.5) Persons who  
 are not occupationally associated  
 with the DOE facility or operations,  
 i.e., persons whose assigned  
 occupational duties do not require  
 them to enter the DOE site.

### MEMORANDUM OF UNDERSTANDING

DA January 8, 1991  
 SF MOU

### MENTAL DISORDERS

(1396 MENTAL DISOR)  
 DA November 28, 1990  
 BT1 Illnesses  
 RT Hospital  
 SO DOE FRASE VOCABULARY

### MEPS

DA October 12, 1990  
 SEE Multimedia Environmental Pollutant  
 Assessment System  
 SO Acronyms

### MERCURY

(CAA; CFR)  
 DA October 12, 1990  
 SF Hg  
 BT1 Hazardous Constituents  
 BT1 Heavy Metals  
 RT Mercury Ore  
 SO Air Pollution  
 SO Environmental Protection Agency  
 Glossary  
 DEF (CFR) The element mercury, a  
 heavy metal, that can accumulate in  
 the environment and is highly  
 toxic if breathed or swallowed.  
 Includes mercury in particulates,  
 vapors, aerosols, and compounds.

### MERCURY CHLOR-ALKALI CELLS

(CAA; CFR)  
 DA October 12, 1990  
 RT Cell Rooms  
 RT Denuders

*RT* Hydrogen Gas Streams  
*RT* Mercury Chlor-alkali Electrolyzers  
*SO* Air Pollution  
 DEF (CFR) Devices that are basically composed of an electrolyzer section and a denuder (decomposer) section and utilize mercury to produce chlorine gas, hydrogen gas, and alkali metal hydroxide.

#### **MERCURY CHLOR-ALKALI ELECTROLYZERS**

(CAA; CFR)  
 DA October 12, 1990  
*RT* End Boxes  
*RT* Mercury Chlor-alkali Cells  
*SO* Air Pollution  
 DEF (CFR) Electrolytic devices that are part of a mercury chlor-alkali cell and utilize a flowing mercury cathode to produce chlorine gas and alkali metal amalgam.

#### **MERCURY ORE**

(CAA; CFR)  
 DA October 12, 1990  
*RT* Mercury  
*RT* Mercury Ore Processing Facilities  
*SO* Air Pollution  
 DEF (CFR) A mineral mined specifically for its mercury content.

#### **MERCURY ORE PROCESSING FACILITIES**

(CAA; CFR)  
 DA October 12, 1990  
 BT1 Facilities  
*RT* Condenser Stack Gases  
*RT* Mercury Ore  
*SO* Air Pollution  
 DEF (CFR) Facilities processing mercury ore to obtain mercury.

#### **METABOLITES**

(EPA)  
 DA October 12, 1990  
*SO* Environmental Management  
*SO* Environmental Protection Agency Glossary  
 DEF (EPA) Substances produced in or by biological processes and derived from a pesticide.

#### **METAL SHOE COVER**

(2673 METAL SHOE C)  
 DA January 3, 1991  
 BT1 Shoe Cover(s)  
 BT2 Foot Protection  
 BT3 Personal Protective Equipment  
 BT4 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)  
 BT5 Equipment  
*SO* DOE FRASE VOCABULARY

#### **METATARSAL PROTECTION**

(2674 METATARSAL P)  
 DA January 3, 1991

BT1 Foot Protection  
 BT2 Personal Protective Equipment  
 BT3 Equipment/Parts - Personal Protective (DOE FRASE Vocabulary)  
 BT4 Equipment  
*RT* Toe(s)  
*SO* DOE FRASE VOCABULARY

#### **METHANE**

(EPA)  
 DA October 12, 1990  
 BT1 Gases  
 BT1 Hydrocarbons  
 BT2 Organic Chemicals  
 BT3 Chemical Substances  
*RT* Agricultural Pollution  
*SO* Environmental Protection Agency Glossary  
 DEF (EPA) A colorless, nonpoisonous, flammable gas created by anaerobic decomposition of organic compounds.

#### **METHOD 18**

(EPA)  
 DA October 12, 1990  
*SO* Environmental Protection Agency Glossary  
 DEF (EPA) An EPA test method which uses gas chromatographic techniques to measure the concentration of individual volatile organic compounds in a gas stream.

#### **METHOD 24**

(EPA)  
 DA October 12, 1990  
 BT1 Reference Methods  
*SO* Environmental Protection Agency Glossary  
 DEF (EPA) An EPA reference method to determine density, water content and total volatile content (water and VOC) of coatings.

#### **METHOD 25**

(EPA)  
 DA October 12, 1990  
 BT1 Reference Methods  
*SO* Environmental Protection Agency Glossary  
 DEF (EPA) An EPA reference method to determine the VOC concentration in gas stream.

#### **METHOD QUANTIFICATION LIMITS**

(ESH)  
 DA February 25, 1991  
 SY MQL  
 BT1 Limits  
 BT1 Measurements  
*SO* Quality Assurance  
 DEF (ESH) The minimum concentrations of substances that can be measured and reported.

#### **METRIC COORDINATOR**

(DOE Order 5900.2)  
 DA October 16, 1990  
 BT1 Personnel  
*RT* Metric Transition Committee  
 DEF (DOE Order 5900.2) A person designated by the Assistant Secretary for Environment to act as the Department's central point of contact for metrication matters.

#### **METRIC SYSTEM**

(Doe Order 5900.2)  
 DA October 12, 1990  
 SY International System of Units  
 BT1 Systems  
*RT* American National Metric Council  
*RT* Units of Measure  
*SO* Quality Assurance  
 DEF (DOE Order 5900.2) The International System of Units (SI) as established by the General Conference on weights and Measures in 1960 and as interpreted or modified for the United States by the Secretary of Commerce.

#### **METRIC TRANSITION COMMITTEE**

(Doe Order 5900.2)  
 DA October 12, 1990  
 BT1 Committees  
 BT2 Administrative Organizations  
 BT3 Organizations  
*RT* Metric Coordinator  
*SO* Quality Assurance  
 DEF (DOE Order 5900.2) A committee with representatives from each major Headquarters element, established to develop a Department-wide policy. The representatives also serve as the metric coordinators for their organizations.

#### **METRIC TRANSITION PLAN**

(Doe Order 5900.2)  
 DA October 12, 1990  
 BT1 Plans  
*RT* Programs  
*SO* Quality Assurance  
 DEF (DOE Order 5900.2) A summary description of the metrication objectives, the actions required to attain the stated objectives, and the actions underway or planned for this purpose consistent with national policy, interagency metric policy, Department policy, and organizational element policy.

#### **METRICATION**

(Doe Order 5900.2)  
 DA October 12, 1990  
 NT1 Hard Conversion  
 NT1 Soft Conversion  
*RT* American National Metric Council  
*SO* Quality Assurance  
 DEF (DOE Order 5900.2) An activity

tending to increase the use of the International System of Units (SI). It may include metric training and the initiation or conversion to metric of new or existing measurement sensitive processes, software or hardware systems, and engineering standards.

#### METRICATION OPERATING COMMITTEE

(Doe Order 5900.2)  
DA October 12, 1990  
BT1 Committees  
BT2 Administrative Organizations  
BT3 Organizations  
SO Quality Assurance  
DEF (DOE Order 5900.2) A committee of the Interagency Committee on Metric Policy, which serves as the vehicle for coordination of Federal interagency metrication activities, and recommends policy guidance to the parent committee. The Metrication Operating Committee is comprised of representatives from the major Federal departments and agencies who serve as their agencies' metric coordinators.

#### MFL

DA October 12, 1990  
SEE Maximum Foreseeable Loss  
SO Acronyms

#### MFW

DA October 12, 1990  
SEE Main Feedwater  
SO Acronyms

#### MFWCS

DA October 12, 1990  
SEE Main Feedwater and Condensate System  
SO Acronyms

#### MG

DA October 12, 1990  
SEE Motor Generator  
SO Acronyms

#### MG-MA

DA October 12, 1990  
SEE Motor Generator-Motor Alternator  
SO Acronyms

#### mg/kg

DA October 12, 1990  
SEE milligram/killigram  
SO Acronyms

#### mg/l

DA October 12, 1990  
SEE milligram/liter  
SO Acronyms

#### mgallon

DA October 12, 1990  
SEE million gallons  
SO Acronyms

#### MGD

DA October 12, 1990  
SEE Million Gallons Per Day  
SO Acronyms

#### MgF<sub>2</sub>

DA October 12, 1990  
SEE Magnesium Fluoride  
SO Acronyms

#### MIAC

DA October 12, 1990  
SEE Maintenance Information and Control  
SO Acronyms

#### MICROBES

(EPA)  
DA October 12, 1990  
BT1 Microorganisms  
BT2 Organisms  
RT Pathogens  
SO Environmental Protection Agency Glossary  
DEF (EPA) Microscopic organisms such as algae, animals, viruses, bacteria, fungus, and protozoa, some of which cause diseases.

#### MICROBIAL PESTICIDES

(EPA)  
DA October 12, 1990  
BT1 Pesticides  
BT2 Hazardous Substances  
SO Environmental Protection Agency Glossary  
DEF (EPA) Microorganisms that are used to control a pest. They are of low toxicity to man.

#### MICROBURSTS

(SMRP)  
DA October 12, 1990  
BT1 Downbursts  
BT2 Divergent Windstorms  
BT3 Act of Nature  
SO Natural Phenomenon  
DEF (SMRP) Small downbursts with horizontal scale of less than the square root of 10 miles (3.16 miles=5.1 km). The mature life of microbursts is only a few to 10 minutes, making their detection and warning extremely difficult. The maximum windspeed of microbursts is less than mid-F1 (90 mph). Damage caused by microbursts is limited mostly to outbuildings and mobile homes.

#### MICROCURIES

DA January 8, 1991

#### SF $\mu$ Ci

BT1 Units of Measure

#### MICROGRAMS/LITER

DA January 8, 1991  
BT1 Units of Measure

#### MICROORGANISMS

(EPA)  
DA October 12, 1990  
BT1 Organisms  
NT1 Bacteria  
NT2 Coliform Organisms  
NT3 Fecal Coliform Bacteria  
NT2 Legionella  
NT2 Recombinant Bacteria  
NT1 Microbes  
NT1 Pathogens  
NT1 Viruses  
RT Aerobic Treatment  
RT Anaerobic Digestion  
RT Biological Additives  
RT Etiologic Agents  
SO Environmental Protection Agency Glossary  
DEF (EPA) Living organisms so small that individually they can usually only be seen through a microscope.

#### MICROROENTGEN/HOUR

DA January 8, 1991  
SF mR/h  
BT1 Radiation Units  
BT2 Units of Measure

#### MICROSEC LIVING RADIOISOTOPES

(EDB)  
DA March 29, 1991  
BT1 Radionuclides  
BT2 CERCLA Hazardous Substances  
BT3 Hazardous Substances  
BT2 Nuclides  
SO Radiation

#### MIDWEST RESEARCH INSTITUTE

DA January 11, 1991  
BT1 Institutes  
BT2 Research and Development Organizations  
BT3 Organizations  
RT Chicago Operations Office

#### MIGRATION

(DOE Order 5480.14; ANL)  
DA May 24, 1991  
BT1 Processes  
RT Disposal Sites  
SO Hazardous Materials  
SO Management  
DEF (DOE Order 5480.14) The movement of hazardous substances from the disposal site by means of air, surface water, or groundwater.

#### MILES

DA October 12, 1990

**SEE** Multiple Integrated Laser Engagement System  
**SO** Acronyms

**MILESTONES**

(DOE Order 4700.1; ANL)  
**DA** May 24, 1991  
**RT** Project Managers  
**RT** Projects  
**RT** Project Planning and Control  
**SO** Management  
**DEF** (DOE 4700.1) Important or critical events and/or activities that must occur in the project cycle in order to achieve the project objective(s).

**MILITARY PERSONNEL**

(0910 MILITARY)  
**DA** November 28, 1990  
**BT1** Occupations  
**BT1** Personnel  
**SO** DOE FRASE VOCABULARY

**MILLIGRAM/KILLIGRAM**

**DA** January 8, 1991  
**SF** mg/kg  
**BT1** Units of Measure

**MILLIGRAM/LITER**

**DA** January 8, 1991  
**SF** mg/l  
**BT1** Units of Measure

**MILLING MACHINE**

(2128 MILLING MACH)  
**DA** December 10, 1990  
**BT1** Machines (DOE FRASE Vocabulary)  
**BT2** Equipment  
**NT1** Ball Mill  
**NT1** Roll Mill  
**SO** DOE FRASE VOCABULARY

**MILLION GALLONS**

**DA** January 8, 1991  
**SF** mgallon

**MILLION GALLONS PER DAY**

(EPA)  
**DA** October 12, 1990  
**SF** MGD  
**BT1** Flow Rates  
**BT1** Units of Measure  
**SO** Environmental Protection Agency Glossary  
**DEF** (EPA) A measure of water flow.

**MILLIROENTGEN**

(NIH)  
**DA** October 12, 1990  
**SF** mR  
**BT1** Units of Measure  
**RT** Roentgen  
**SO** Radiation  
**DEF** (NIH) A submultiple of the roentgen equal to one one-thousandth (1/1000th) of a roentgen.

**MILLISEC LIVING RADIOISOTOPES**

(EDB)  
**DA** March 29, 1991  
**BT1** Radionuclides  
**BT2** CERCLA Hazardous Substances  
**BT3** Hazardous Substances  
**BT2** Nuclides  
**SO** Radiation

**MINE**

(1856 MINE)  
**DA** December 10, 1990  
**BT1** Structures (DOE FRASE Vocabulary)  
**SO** DOE FRASE VOCABULARY

**MINER/DRILLER**

(0650 MINER;DRILLE)  
**DA** November 28, 1990  
**BT1** Repair/Construction Personnel  
**BT2** Occupations  
**BT2** Personnel  
**RT** Mining/Drilling Activity  
**SO** DOE FRASE VOCABULARY

**MINERAL OIL PCB TRANSFORMERS**

(TSCA)  
**DA** October 19, 1990  
**BT1** PCB Transformers  
**BT2** Electrical Equipment  
**BT3** Equipment  
**SO** Hazardous Materials  
**DEF** (CFR) Any transformers originally designed to contain mineral oil as the dielectric fluid and which have been tested and found to contain 500 ppm or greater PCBs.

**MINIMUM FRAGMENT DISTANCE**

(DOE Order 5480.16)  
**DA** October 16, 1990  
**RT** Munitions  
**DEF** (DOE Order 5480.16) The minimum distance required for the protection of personnel in the open, inhabited buildings, and public traffic routes from hazardous fragments.

**MINIMUM REQUIREMENTS AND STANDARDS**

(Doe Order 5480.8)  
**DA** October 12, 1990  
**BT1** Requirements  
**RT** Occupational Medical Program  
**RT** Policies  
**RT** Standards  
**SO** Industrial Hygiene  
**DEF** (DOE Order 5480.8) The program content necessary to satisfy the policies and objectives of this directive.

**MINING WASTES**

(SWDA; RCRA; CFR; ESH)  
**DA** October 12, 1990  
**BT1** Wastes  
**SO** Environmental Management  
**SO** Wastes  
**DEF** Residues resulting from the

extraction of raw materials from the earth.

**MINING/DRILLING ACTIVITY**

(1251 MD ACTIVITY)  
**DA** November 28, 1990  
**BT1** Activity Types (DOE FRASE Vocabulary)  
**BT2** Activities  
**NT1** Strip Mining  
**RT** Miner/Driller  
**SO** DOE FRASE VOCABULARY

**MINOR ACCIDENTS**

(SSDC)  
**DA** October 12, 1990  
**BT1** Accidents  
**SO** System Safety Development Center Glossary  
**DEF** (SSDC) Any accidents which are not serious accidents, or do not have high potential for being serious accidents.

**MINOR DISCHARGES**

(CERCLA; CFR)  
**DA** October 12, 1990  
**BT1** Discharges  
**BT1** Oil Spills  
**BT1** Size Classes of Discharges  
**DEF** (CFR) Discharges to the inland waters of less than 1,000 gallons of oil or discharges to the coastal waters of less than 10,000 gallons of oil. Any oil discharge that poses a substantial threat to the public health or welfare or results in critical public concern shall be classified as a major discharge regardless of this quantitative measure.

**MINOR DRAINAGE**

(CAA; RHA)  
**DA** October 12, 1990  
**RT** Watershed  
**SO** Water Pollution  
**DEF** The discharge of dredged or fill material incidental to connecting upland drainage facilities to waters of the United States, adequate to effect the removal of excess soil moisture from upland croplands. Construction and maintenance of upland (dryland) facilities, such as ditching and tiling, incidental to the planting, cultivating, protecting, or harvesting of crops.

**MINOR RELEASES**

(CERCLA; CFR)  
**DA** October 12, 1990  
**BT1** Releases  
**BT1** Size Classes of Releases  
**DEF** (CFR) Releases of a quantity of hazardous substance(s), pollutant(s), or contaminant(s) that pose minimal threat to public

health or welfare or the environment.

**MINORITY INSTITUTIONS**

DA January 8, 1991  
SF *Mis*  
BT1 Organizations

**MINUTES LIVING RADIOISOTOPES**

(EDB)  
DA March 29, 1991  
BT1 Radionuclides  
BT2 CERCLA Hazardous Substances  
BT3 Hazardous Substances  
BT2 Nuclides  
NT1 Cobalt 60  
NT1 Thorium 232  
SO Radiation

*Mis*

DA October 12, 1990  
SEE Minority Institutions  
SO Acronyms

**MISC AGRICULTURE EMPLOYEE**

(0580 MISC AGRICUL)  
DA November 28, 1990  
BT1 Agriculture Personnel  
BT2 Occupations  
BT2 Personnel  
BT1 Misc Employee  
BT2 Occupations  
BT2 Personnel  
SO DOE FRASE VOCABULARY

**MISC EMPLOYEE**

(0990 MISC EMPLOYEE)  
DA November 28, 1990  
BT1 Occupations  
BT1 Personnel  
NT1 Misc Service Employee  
NT1 Misc Agriculture Employee  
NT1 Misc Repair/Construction Employee  
NT1 Misc Precision/Production Employee  
NT1 Misc Transport Employee  
SO DOE FRASE VOCABULARY

**MISC PRECISION/PRODUCTION EMPLOYEE**

(0780 MISC PRECIS)  
DA November 28, 1990  
BT1 Misc Employee  
BT2 Occupations  
BT2 Personnel  
BT1 Precision/Production Personnel  
BT2 Occupations  
BT2 Personnel  
SO DOE FRASE VOCABULARY

**MISC PROFESSIONAL**

(0200 MISC PROF)  
DA November 28, 1990  
BT1 Professional Personnel  
BT2 Occupations  
BT2 Personnel  
SO DOE FRASE VOCABULARY

**MISC REPAIR/CONSTRUCTION EMPLOYEE**

(0660 MISC REPAIR)  
DA November 28, 1990  
BT1 Misc Employee  
BT2 Occupations  
BT2 Personnel  
BT1 Repair/Construction Personnel  
BT2 Occupations  
BT2 Personnel  
RT Construction Activity  
SO DOE FRASE VOCABULARY

**MISC SERVICE EMPLOYEE**

(0525 MISC SERVICE)  
DA November 28, 1990  
BT1 Admin. Support/Clerical Employee  
BT2 Occupations  
BT2 Personnel  
BT1 Misc Employee  
BT2 Occupations  
BT2 Personnel  
SO DOE FRASE VOCABULARY

**MISC TRANSPORT EMPLOYEE**

(0840 MISC TRANSP)  
DA November 28, 1990  
BT1 Misc Employee  
BT2 Occupations  
BT2 Personnel  
BT1 Transport Personnel  
BT2 Occupations  
BT2 Personnel  
RT Transportation Activity  
SO DOE FRASE VOCABULARY

**MISCELLANEOUS TECHNICIAN**

(0390 MISC TECH)  
DA November 28, 1990  
BT1 Technicians  
BT2 Professional Personnel  
BT3 Occupations  
BT3 Personnel  
SO DOE FRASE VOCABULARY

**MISCELLANEOUS UNITS**

DA January 24, 1991  
BT1 Hazardous Waste Management Units  
BT2 Corrective Action Management Units  
BT3 Sites/Areas  
SO Environmental Management  
DEF (CFR) Hazardous waste management units where hazardous waste are treated, stored or disposed of and that is not a container, tank, surface impoundment, pile, land treatment unit, landfill, incinerator, boiler, industrial furnace, underground injection well with appropriate technical standards under 40 CFR Part 146, or unit eligible for a research, development, and demonstration permit under 270.65.

**MISFIRES**

(Doe Order 5480.16)  
DA October 12, 1990  
NT1 Hangfires  
RT Armors  
RT Defective Firearm  
RT Firearms  
RT Hazards  
SO Firearms  
DEF (DOE Order 5480.16) Any cartridge, missile, or rocket that does not properly fire when triggered.

**MISHAPS**

(SSDC)  
DA October 12, 1990  
SY Accidents  
SO System Safety Development Center Glossary  
DEF (SSDC) A synonym for accident. Used by some government organizations, including NASA and DOD.

**MISSISSIPPI POWER AND LIGHT**

DA January 8, 1991  
SF *MP&L*  
BT1 Companies  
BT2 Commercial Organizations  
BT3 Organizations

**MISSOURI DEPARTMENT OF NATURAL RESOURCES**

DA January 8, 1991  
SF *MDNR*  
BT1 State Agencies  
BT2 Agencies  
BT3 Administrative Organizations  
BT4 Organizations

**MISTS**

(EPA)  
DA October 12, 1990  
SO Environmental Protection Agency Glossary  
DEF (EPA) Liquid particles measuring 500 to 40 microns, that are formed by condensation of vapor. By comparison, "fog" particles are smaller than 40 microns.

**MIT**

DA October 12, 1990  
SEE Massachusetts Institute of Technology  
SO Acronyms

**MITIGATION**

(EPA)  
DA October 12, 1990  
BT1 Amelioration  
RT Mitigation Action Plans  
SO Environmental Management  
SO Environmental Protection Agency Glossary  
DEF (EPA) Measures taken to reduce adverse impacts on the environment.

**MITIGATION ACTION PLANS**

(DOE Order 5440.1D)  
 DA May 14, 1991  
 SF *MAP*  
 BT1 Plans  
 RT Environmental Assessments  
 RT Environmental Impact Statements  
 RT Mitigation  
 RT Monitoring  
 RT Record of Decision (NEPA)  
 SO Environmental Management  
 DEF (DOE Order) Documents that describe the plan for implementing commitments made in a DOE Environmental Impact Statement (EIS) and its associated record of decision (ROD) or in an Environmental Assessment/Finding of No Significant Impact (EA/FONSI) (where a FONSI is based, in significant part, on such a commitment) to mitigate adverse environmental impacts associated with an action.

**MIXED LIQUOR**

(EPA)  
 DA October 12, 1990  
 BT1 Mixtures  
 RT Activated Sludges  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) A mixture of activated sludge and water containing organic matter undergoing activated sludge treatment in an aeration tank.

**MIXED WASTE MANAGEMENT FACILITY**

DA January 8, 1991  
 SF *MWMF*  
 BT1 Waste Receiving and Processing Plant  
 BT2 Waste Treatment Plants  
 BT3 Facilities

**MIXED WASTES**

(SWDA; RCRA; ESH)  
 DA October 12, 1990  
 SY Radioactive Mixed Wastes  
 SF *MW*  
 BT1 Wastes  
 SO Environmental Management  
 SO Wastes  
 DEF Contain both radioactive and hazardous components as defined by the Atomic Energy Act and the Resource Conservation and Recovery Act, respectively. (ESH) Any wastes that meet the definition of a hazardous waste and contain radioactive waste.

**MIXER(S)**

(2954 MIXER)  
 DA January 3, 1991  
 BT1 Tools - Powered

BT2 Tools (DOE FRASE Vocabulary)  
 BT3 Equipment  
 SO DOE FRASE VOCABULARY

**MIXING MACHINE**

(2130 MIXING MACHI)  
 DA December 10, 1990  
 BT1 Machines (DOE FRASE Vocabulary)  
 BT2 Equipment  
 SO DOE FRASE VOCABULARY

**MIXING ZONES**

(CAA; CFR)  
 DA October 12, 1990  
 BT1 Zones  
 BT2 Sites/Areas  
 RT Discharges  
 SO Water Pollution  
 DEF (CFR) Limited volumes of water serving as zones of initial dilution in the immediate vicinity of a discharge point where receiving water quality may not meet quality standards or other requirements otherwise applicable to the receiving water. The mixing zone should be considered as a place where wastes and water mix and not as a place where effluents are treated.

**MIXTURES**

(SWDA; CERCLA; TSCA; CFR; USC)  
 DA October 12, 1990  
 NT1 Mixed Liquor  
 NT1 Slurries  
 NT1 Solutions  
 NT2 Copper Mattes  
 NT1 Test Mixtures  
 RT Leachates  
 SO Compensation and Liability  
 SO Environmental Management  
 SO Hazardous Materials  
 DEF (CFR) Any combinations of two or more chemical substances if the combination does not occur in nature and is not, in whole or in part, the result of a chemical reaction. Heterogeneous associations of substances where the various individual substances retain their identities and can usually be separated by mechanical means. Include solutions or compounds but do not include alloys or amalgams.

**MK-FERGUSON**

DA January 11, 1991  
 BT1 Companies  
 BT2 Commercial Organizations  
 BT3 Organizations  
 BT1 DOE Contractors  
 BT2 Potentially Responsible Parties  
 RT Idaho Operations Office  
 RT Oak Ridge Operations Office  
 RT Paducah Gaseous Diffusion Plant (Paducah)

**MK-FERGUSON OF IDAHO CO.**

DA January 11, 1991  
 BT1 Companies  
 BT2 Commercial Organizations  
 BT3 Organizations  
 BT1 DOE Contractors  
 BT2 Potentially Responsible Parties  
 RT Idaho Operations Office  
 RT Idaho National Engineering Laboratory

**MMES**

DA October 12, 1990  
 SEE Martin Marietta Energy Systems  
 SO Acronyms

**MNCR**

DA October 12, 1990  
 SEE Material Nonconformance Report  
 SO Acronyms

**MOBILE COMMAND VEHICLES**

(EMER)  
 DA February 1, 1991  
 BT1 Motor Vehicles  
 BT2 Transport Vehicles  
 SO Emergency Preparedness  
 DEF (EMER) Vehicles designed specifically to support the on-scene commander with communications to the emergency operations center.

**MOBILE CRANE**

(2337 MOBILE CRANE)  
 DA December 10, 1990  
 BT1 Crane(s)  
 BT2 Material Handling Device  
 BT3 Devices  
 BT3 Equipment/Parts - Material Handling (DOE FRASE Vocabulary)  
 BT4 Equipment  
 SO DOE FRASE VOCABULARY

**MOBILE SOURCES**

(EPA)  
 DA October 12, 1990  
 RT Area Sources  
 RT Pollution  
 RT Releases  
 RT Stationary Sources  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) Moving producers of air pollution, mainly forms of transportation such as cars, trucks, motorcycles, airplanes.

**MOC**

DA October 12, 1990  
 SEE Margin of Control (Criticality)  
 SO Acronyms

**MODE**

(SWDA; RCRA)  
 DA October 12, 1990  
 RT Transportation

SO Hazardous Materials  
 SO System Safety Development Center Glossary  
 DEF (SSDC) In statistics, the most common or frequent observation or value. (ESH) Any of the following transportation methods: rail, highway, air, or water.

**MODEL PLANTS**

(EPA)  
 DA October 12, 1990  
 BT1 Facilities  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) Descriptions of typical but theoretical plants used for developing economic, environmental impact, and energy impact analyses as support for regulations or regulatory guidelines. They are imaginary plants, with features of existing or future plants used to estimate the cost of incorporating air pollution control technology as the first step in exploring the economic impact of a potential New Source Performance Standard (NSPS).

**MODELING**

(EPA)  
 DA October 12, 1990  
 RT ABEL  
 RT Phantoms  
 SO Environmental Protection Agency Glossary  
 DEF (EPA) An investigative technique using a mathematical or physical representation of a system or theory that accounts for all or some its known properties. Models are often used to test the effect of changes of system components on the overall performance of the system.

**MODERATOR RECOVERY SYSTEM**

DA January 8, 1991  
 SF MRS  
 BT1 Systems

**MODERATORS (NUCLEAR)**

(DOE Order 5480.3; ESH)  
 DA October 12, 1990  
 BT1 Hazardous Materials  
 BT2 Materials  
 SO Hazardous Materials  
 DEF (DOE Order 5480.3) Materials used to reduce the kinetic energy of neutrons by scattering collisions without appreciable neutron capture.

**MODERN AIRCRAFT**

(Doe Order 5480.13)  
 DA October 12, 1990  
 BT1 Aircraft

SO Aviation Safety  
 DEF (DOE Order 5480.13) Aircraft whose performance capabilities, age, and ease of maintenance meet current state-of-the-art and technology for the type aircraft involved.

**MODIFICATION**

(DOE Order 5480.6; CAA; CFR)  
 DA October 12, 1990  
 BT1 Administrative Processes  
 BT2 Processes  
 NT1 Major Modification  
 NT1 Major PSD Modification  
 RT Stationary Sources  
 SO Air Pollution  
 SO Industrial Safety  
 DEF (DOE Order 5480.6) Any change made to structures, systems, components, or procedures during any phase of the life of the reactor project. As applied to an active underground uranium mine any major change in the method of operation or mining procedure which will result in an increase in the amount of radon-222 emitted to air. The normal development or operation of an active mine, even though it results in an increase in emissions, is not considered a modification for the purposes of this 40 CFR 61.21.

**MODIFIED HAZARD RANKING SYSTEM**

DA January 24, 1991  
 BT1 Systems  
 RT Hazardous Ranking System  
 SO Environmental Management  
 DEF (DOE 5480.14) The methodology developed by DOE to rank sites containing hazardous substances and/or radionuclides.

**MODIFIED SOURCES**

(CFR)  
 DA November 15, 1990  
 BT1 Stationary Sources  
 BT2 Facilities  
 DEF (CFR) Any physical changes in, or changes in the method of operation of, stationary sources which increase the emission rate of any pollutant for which a national standard has been promulgated under Part 50 of this chapter or which result in the emission of any such pollutant not previously emitted, except that: (1) Routine maintenance, repair, and replacement shall not be considered a physical change, and (2) The following shall not be considered a change in the method of operation: (i) An increase in the production rate, if such increase does not exceed the operating design capacity of

the source; (ii) An increase in the hours of operation; (iii) Use of an alternative fuel or raw material, if prior to the effective date of a paragraph in this part which imposes conditions on or limits modifications, the source is designed to accommodate such alternative use.

**MOMENT MAGNITUDE**

(USGS)  
 DA October 12, 1990  
 SF M  
 BT1 Measurements  
 BT1 Units of Measure  
 RT Earthquake Magnitude  
 RT Surface Faulting  
 SO Natural Phenomenon  
 DEF (USGS) Derived from seismic moment,  $M_0$ , the product of the surface area of the fault, the average displacement on the fault plane, and the rigidity of the material of the fault. After certain corrections,  $M_0$  can be calculated from measurements of long-period waves (200-300 seconds) that typically accompany great earthquakes.

**MOMENT RESISTING SPACE FRAME**

(SEA)  
 DA October 12, 1990  
 BT1 Space Frames  
 BT2 Structures (DOE FRASE Vocabulary)  
 NT1 Intermediate Moment Resisting Space Frame  
 NT1 Ordinary Moment Resisting Space Frame  
 NT1 Special Moment Resisting Space Frame  
 SO Construction  
 DEF (SEA) A space frame in which the members and joints are capable of resisting forces primarily by flexure.

**MONITORED PERSONNEL LOCATOR FILE**

(Doe Order 5484.1)  
 DA October 12, 1990  
 RT Personnel  
 SO Industrial Safety  
 DEF (DOE Order 5484.1) A DOE centralized file maintained at the System Safety Development Center, EG&G Idaho, that contains all monitored DOE and DOE contractor personnel employed, and visitors who have positive exposures. The file consists of identification information only, e.g., name, social security number, birth year, and employer organization (or organization visited). The file is used to identify personnel work locations so that inquiries can be

made to the reporting organization for official dose records.

**MONITORED VISITORS**

(Doe Order Definitions)

DA October 12, 1990

RT Personnel

SO Management

DEF (DOE Order 5484.1)

Nonemployees, including subcontractors, not classified as a "nonemployee radiation workers" visiting a facility that is operated by DOE or a DOE contractor under circumstances requiring that they be monitored for radiation exposure.

**MONITORED WORKERS**

(Doe Order 5484.1)

DA October 12, 1990

BT1 Personnel

SO Industrial Safety

DEF (DOE 5484.1) Employees of the reporting organization who work with, or are in the proximity of, ionizing radiation or radioactive material and who are monitored in accordance with DOE 5480.11.

**MONITORING**

(NCRP; IAEA; EMER; MORT)

DA October 12, 1990

BT1 Activities

NT1 Air Monitoring

NT1 Biomonitoring

NT1 Environmental Monitoring

NT2 Effluent Monitoring

NT2 Environmental Surveillance

NT1 Field Monitoring

NT1 Health Monitoring

NT1 Interstitial Monitoring

NT1 Radiological Monitoring

NT2 Smear

NT1 Vibration and Acoustic Monitoring

NT1 Well Monitoring

RT Analyses

RT Communication

RT Corrective Action Triggers

RT Knowledge

RT Mitigation Action Plans

RT Monitoring Wells

RT Predictive Maintenance

RT Sanitary Surveys

RT Secondary Environmental Monitor

RT Sensors

RT Slip Gauges

RT Standard Sample

RT Technical Information

RT Trending

SO Emergency Preparedness

SO Environmental Management

SO Environmental Protection Agency

Glossary

SO Industrial Hygiene

SO Radiation

SO System Safety Development Center

Glossary

DEF Actions intended to detect and evaluate radiological conditions.

(EPA) Periodic or continuous surveillance or testing to determine the level of compliance with statutory requirements and/or pollutant levels in various media or in humans, animals, and other living things. (SSDC) A set of observation and data collection methods to detect and measure deviations in current operations. (IAEA) The measurement of radiation or activity for reasons related to the assessment or control of exposure to radiation or radioactive material, and the interpretation of such measurements. (MORT) MORT analysis asks: was the monitoring system adequate? were the principal elements of a good monitoring system present? Also included are safety observation plans, safety inspections, error sampling techniques, work site inspections, general health monitoring, a system for Reported Significant Observations, etc.

**MONITORING SYSTEMS**

(CAA; CFR)

DA October 12, 1990

BT1 Systems

NT1 Energy Monitoring and Control Systems

RT Air Monitoring

SO Air Pollution

DEF (CFR) Any systems, required under the monitoring sections in applicable subparts, used to sample and condition (if applicable), to analyze, and to provide a record of emissions or process parameters.

**MONITORING WELLS**

(EPA)

DA October 12, 1990

BT1 Wells

RT Monitoring

SO Environmental Protection Agency Glossary

DEF (EPA) Wells drilled at a hazardous waste management facility or Superfund site to collect groundwater samples for the purpose of physical, chemical, or biological analysis to determine the amounts, types, and distribution of contaminants in the ground water beneath the site.

**MONITORS**

DA February 12, 1991

BT1 Equipment

NT1 10-minute Delay Line Gamma Monitor

NT1 Axial Power Monitors

NT1 Constant Air Monitor

NT1 Continuous Air Monitors

NT1 Cooling Water Gamma Monitor

NT1 Crane Drip Pan Monitor

NT1 Essential Equipment Monitor

NT1 Failed Element Monitors

NT1 Flow Monitor

NT1 Gang Temperature Monitor

NT1 High Level Flux Monitor

NT1 Internal Gamma Flux Monitor

NT1 Low Energy Gamma Monitor

NT1 Nuclear Incident Monitor

NT1 Power Density Monitor

NT1 Primary Environmental Monitors

NT1 Process Water Gamma Monitor

NT1 Radial Power Monitor

NT1 Secondary Environmental Monitor

NT1 Secondary Environmental Monitors

NT1 Selection and Monitoring Chassis

NT1 Stack Tritium Monitor

NT1 Temperature Alarm Monitor

NT1 Temperature Scram Circuit Monitor

NT1 Traveling Wire Flux Monitor

RT Controls

**MONOCLONAL ANTIBODIES**

(EPA)

DA October 12, 1990

BT1 Antibodies

BT2 Proteins

BT3 Organic Chemicals

BT4 Chemical Substances

SO Environmental Protection Agency Glossary

DEF (EPA) (Also called MABs and MCAs) Molecules of living organisms that selectively bind and attach to other molecules to which their structure conforms exactly. This could also apply to equivalent activity by chemical molecules.

**MONTHLY NEPA REPORTS**

(DOE Order 5440.1D)

DA May 14, 1991

BT1 Reports

SO Environmental Management

DEF (DOE Order) Documents submitted monthly to the Secretary that identify Environmental Assessments and Environmental Impact Statements that Secretarial Officers expect to forward for approval during the subsequent 3 months.

**MONUMENTATION**

(DOE Order 6430.1A)

DA October 12, 1990

RT Bench Marks

RT Construction

RT Datum

SO Construction

DEF (DOE Order 6430.1A) The act of setting a permanent survey control point.

**MOP(S)**

(3043 MOP)

DA January 3, 1991

BT1 Tools - Manual

BT2 Tools (DOE FRASE Vocabulary)

BT3 Equipment  
SO DOE FRASE VOCABULARY

**MORT**  
DA October 12, 1990  
SEE Management Oversight and Risk Tree  
SO Acronyms  
SO System Safety Development Center Glossary

**MOTEL/HOTEL**  
(1786 MOTEL)  
DA December 10, 1990  
BT1 Building (DOE FRASE Vocabulary)  
BT2 Facilities and Buildings (DOE FRASE Vocabulary)  
BT3 Facilities  
SO DOE FRASE VOCABULARY

**MOTOR(S)**  
(2403 MOTOR)  
DA January 3, 1991  
BT1 Equipment/Parts - Electrical (DOE FRASE Vocabulary)  
BT2 Equipment  
SO DOE FRASE VOCABULARY

**MOTOR CONTROL CENTER**  
DA January 8, 1991  
SF MCC  
BT1 Centers

**MOTOR FUELS**  
(SWDA; RCRA; CFR)  
DA October 19, 1990  
BT1 Fuels  
RT Petroleum  
SO Hazardous Materials  
SO Wastes  
DEF (CFR) Petroleum or a petroleum-based substances that are motor gasoline, aviation gasoline, No. 1 or No. 2 diesel fuel, or any grade of gasohol, and are typically used in the operation of a motor engine.

**MOTOR GENERATOR**  
DA January 8, 1991  
SF MG  
BT1 Equipment

**MOTOR GENERATOR-MOTOR ALTERNATOR**  
DA January 8, 1991  
SF MG-MA  
BT1 Equipment

**MOTOR OPERATED VALVES**  
DA January 8, 1991  
SF MOV  
BT1 Valves  
BT2 Devices

**MOTOR VEHICLES**  
(SWDA; CAA; USC; ESH)  
DA October 12, 1990

BT1 Transport Vehicles  
NT1 COMVAN  
NT1 Mobile Command Vehicles  
RT Cargo Tanks  
RT Catalytic Converters  
RT Transportation Control Measures  
SO Air Pollution  
SO Hazardous Materials  
DEF (USC) Self-propelled vehicles designed for transporting persons or property on a street or highway. (ESH) Vehicles, machines, tractors, trailers, or semitrailers, or any combinations thereof, propelled or drawn by mechanical power and used upon the highways in the transportation of passengers or property. They do not include a vehicle, locomotive, or car operated exclusively on a rail or rails, or a trolley bus operated by electric power derived from a fixed overhead wire, furnishing local passenger transportation similar to street-railway service.

**MOU**  
DA October 12, 1990  
SEE Memorandum of Understanding  
SO Acronyms

**MOUTH**  
(1088 MOUTH)  
DA November 28, 1990  
BT1 Digestive System  
BT2 Body System(s)  
BT3 Human Body Parts  
NT1 Tooth/Teeth  
RT Dental Injury  
RT Face  
RT Head  
RT Lip(s)  
SO DOE FRASE VOCABULARY

**MOV**  
DA October 12, 1990  
SEE Motor Operated Valves  
SO Acronyms

**MOVEMENT**  
(SWDA; RCRA)  
DA October 12, 1990  
RT Transport Vehicles  
RT Transportation  
SO Environmental Management  
SO Wastes  
DEF Means that hazardous waste transported to a facility in an individual vehicle.

**MP&L**  
DA October 12, 1990  
SEE Mississippi Power and Light  
SO Acronyms

**MPC**  
DA October 12, 1990

SEE Maximum Permissible Concentration  
SO Acronyms

**MPD**  
DA October 12, 1990  
SEE Maximum Permissible Dose  
SO Acronyms

**MPL**  
DA October 12, 1990  
SEE Maximum Possible Loss  
SO Acronyms

**MQL**  
(ESH)  
DA October 12, 1990  
SY Method Quantification Limits  
BT1 Limits  
BT1 Measurements  
SO Quality Assurance  
DEF The method quantification limit (MQL) is the minimum concentration of a substance that can be measured and reported.

**mR**  
DA October 12, 1990  
SEE Milliroentgen  
SO Acronyms

**mR/h**  
DA October 12, 1990  
SEE Microroentgen/hour  
SO Acronyms

**MRC**  
DA October 12, 1990  
SEE Maintenance Requirement Card  
SO Acronyms

**MRS**  
DA October 12, 1990  
SEE Moderator Recovery System  
SO Acronyms

**MSA**  
DA October 12, 1990  
SEE Major System Acquisition  
SO Acronyms

**MSCANS**  
(Acronyms and Abbreviations)  
DA October 12, 1990  
BT1 Computer Codes  
SO Nuclear Facilities Incident Database  
DEF A computer code for miscellaneous computer scans.

**MSDS**  
DA October 12, 1990  
SEE Material Safety Data Sheets  
SO Acronyms

**MSIV**  
DA October 12, 1990

SEE Main Steam Isolation Valve  
SO Acronyms

SF *MEPS*  
BT1 Systems  
RT Assessments

activities, office functions, and commercial housekeeping wastes.

**MTBF**

DA October 12, 1990  
SEE Mean Time Between Failures  
SO Acronyms

**MULTIPLE BODY PARTS**  
(1134 MULTIPLE BP)  
DA November 28, 1990  
BT1 Human Body Parts  
SO DOE FRASE VOCABULARY

**MUNICIPALITIES**

(SWDA; RCRA; CFR; USC)  
DA October 12, 1990  
RT Air Pollution Control Agencies  
RT Bay Area Air Quality Management District

**MTE**

DA October 12, 1990  
SEE Measurement and Test Equipment  
SO Acronyms

RT Municipal Solid Wastes  
RT Urban Runoff  
SO Environmental Management  
SO Wastes  
SO Water Pollution

**MTI**

DA October 12, 1990  
SEE Maintenance Team Inspection  
SO Acronyms

**MULTIPLE INJURIES**  
(1332 MULTIPLE INJ)  
DA November 28, 1990  
BT1 Injuries  
SO DOE FRASE VOCABULARY

DEF Cities, towns, boroughs, counties, parishes, districts, or other public bodies created by or pursuant to State law, with responsibility for the planning or administration of solid waste management, or Indian tribes or authorized tribal organizations or Alaska Native villages or organizations, and include any rural communities or unincorporated towns or villages or any other public entities for which an application for assistance is made by a State or political subdivision thereof.

**MTR**

DA October 12, 1990  
SEE Materials Test Reactor  
SO Acronyms

**MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM**  
(Doe Order 5480.16)  
DA October 12, 1990  
SF *MILES*  
BT1 Engagement Simulation Systems  
BT2 Simulators  
BT1 Systems  
RT Laser Eye Safety Distance  
SO Firearms  
DEF (DOE Order 5480.16) See Engagement Simulation Systems.

**MTSAA**

DA October 12, 1990  
SEE Multidiscipline Technical Safety Assurance Appraisal  
SO Acronyms

**MUNITIONS**

(Doe Order 5480.16)  
DA October 12, 1990  
NT1 Ammunition  
NT2 Chemical Ammunition  
NT3 Smoke Grenades  
NT2 Rocket Ammunition  
NT2 Small Arms Ammunition  
NT1 Duds  
NT1 Explosive Projectiles  
NT1 Explosive Bombs  
NT1 Explosive Mines  
NT1 Explosive Torpedoes  
NT1 Grenades  
NT2 Smoke Grenades  
RT Armorers  
RT Blank Ammunition  
RT Explosives  
RT Firearms  
RT Inhabited Building Distance  
RT Minimum Fragment Distance  
RT Net Explosive Weight  
RT Public Traffic Route Distance  
RT Quantity Distances  
RT Special Weapons  
SO Firearms  
DEF (DOE Order 5480.16) Ammunition and explosives used by protective force personnel, Transportation Safeguards Division (AL) couriers, and Departmental safeguards and security staff personnel. An explosive is any chemical compound or mechanical mixture that, when subjected to such stimuli as heat, impact, friction, or shock undergoes a very rapid chemical change that releases large volumes of highly heated gases that exert pressure in the

**MTTR**

DA October 12, 1990  
SEE Mean Time to Repair  
SO Acronyms

**MULTIPLE USES**  
(EPA)  
DA October 12, 1990  
BT1 Uses  
SO Environmental Protection Agency Glossary  
DEF (EPA) Uses of land for more than one purpose, i.e., grazing of livestock, wildlife production, recreation, watershed, and timber production. Can also apply to use of bodies of water for recreational purposes, fishing, and water supply.

**MUCK SOILS**

(EPA)  
DA October 12, 1990  
BT1 Soils  
RT Dystrophic Lakes  
RT Fens  
RT Swamps  
RT Wetlands  
SO Environmental Protection Agency Glossary  
DEF (EPA) Earth made from decaying plant materials.

**MULTIPLEXOR**

DA January 8, 1991  
SF *MUX*  
BT1 Equipment  
NT1 TRANsient Multiplexor

**MULCHES**

(EPA)  
DA October 12, 1990  
SO Environmental Protection Agency Glossary  
DEF (EPA) Layers of material (wood chips, straw, leaves, etc.) placed around plants to hold moisture, prevent weed growth, protect the plants, and enrich the soil.

**MUNICIPAL SOLID WASTES**

(TSCA; CFR)  
DA October 19, 1990  
BT1 Solid Wastes  
BT2 Wastes  
NT1 Sewage  
NT2 Raw Sewage  
RT Municipalities  
RT Publicly Owned Treatment Works  
RT Septic Tanks  
RT Sludge  
SO Environmental Management  
SO Hazardous Materials  
DEF (CFR) Garbage, refuse, sludges, wastes, and other discarded materials resulting from residential and nonindustrial operations and activities, such as household

**MULTIDISCIPLINE TECHNICAL SAFETY ASSURANCE APPRAISAL**

DA January 8, 1991  
SF *MTSAA*  
BT1 Appraisals

**MULTIMEDIA ENVIRONMENTAL POLLUTANT ASSESSMENT SYSTEM**

DA January 8, 1991

surrounding medium. The term applies to materials that either detonate or deflagrate.

**MUSCLE/TENDON(S)**

(1138 MUSCLE)

DA November 28, 1990

BT1 Human Body Parts

RT Tendonitis

SO DOE FRASE VOCABULARY

**MUTAGENS**

(EPA)

DA October 12, 1990

BT1 Hazardous Substances

RT Mutate

RT Pesticides

SO Environmental Protection Agency Glossary

DEF (EPA) Substances that can cause a change in genetic material.

**MUTATE**

(EPA)

DA October 12, 1990

RT Mutagens

SO Environmental Protection Agency Glossary

DEF (EPA) To bring about a change in the genetic constitution of a cell by altering its DNA. In turn, "mutagenesis" is any process by which cells are mutated.

**MUTUAL ASSISTANCE AGREEMENTS**

(EMER)

DA February 1, 1991

BT1 Agreements

SO Emergency Preparedness

DEF (EMER) Agreements between contractors and U.S. Department of Energy (DOE) and/or DOE and other government agencies or municipalities to share emergency response and techniques. Also known as Mutual Aid Agreements.

**MUX**

DA October 12, 1990

SEE Multiplexor

SO Acronyms

 **$\mu$ Ci**

DA October 12, 1990

SEE Microcuries

SO Acronyms

**MW**

DA October 12, 1990

SEE Mixed Wastes

SO Acronyms

**MWMF**

DA October 12, 1990

SEE Mixed Waste Management Facility

SO Acronyms

**MWO**

DA October 12, 1990

SEE Maintenance Work Order

SO Acronyms

**MWt**

DA October 12, 1990

SEE Megawatt thermal

SO Acronyms

 **$M_b$** 

DA October 12, 1990

SEE Body Wave Magnitude

SO Acronyms

 **$M_L$** 

DA October 12, 1990

SEE Local Magnitude ( $M_L$ )

SO Acronyms

 **$M_s$** 

DA October 12, 1990

SEE Surface Wave Magnitude

SO Acronyms

**N-UNIT**

(NFI)

DA October 12, 1990

SO Nuclear Facilities Incident Database

SO Radiation

DEF Control rod drive for full rods.

**NAAQS**

DA October 12, 1990

SEE National Ambient Air Quality Standards

SO Acronyms

**NAIL GUN**

(2955 NAIL GUN)

DA January 3, 1991

BT1 Tools - Powered

BT2 Tools (DOE FRASE Vocabulary)

BT3 Equipment

SO DOE FRASE VOCABULARY

**NAME OF CONTENTS**

(SWDA; RCRA; ESH)

DA October 12, 1990

SY Proper Shipping Name

RT Marks

RT Technical Names

SO Hazardous Materials

DEF The proper shipping name (PSN).

**NANOSEC LIVING RADIOISOTOPES**

(EDB)

DA March 29, 1991

BT1 Radionuclides

BT2 CERCLA Hazardous Substances

BT3 Hazardous Substances

BT2 Nuclides

SO Radiation

**NAS**

DA October 12, 1990

SEE National Academy of Sciences

SO Acronyms

**NASA**

DA October 12, 1990

SEE National Aeronautic and Space Administration

SO Acronyms

**NATIONAL ACADEMY OF SCIENCES**

DA January 8, 1991

SF NAS

BT1 Research and Development Organizations

BT2 Organizations

**NATIONAL AERONAUTIC AND SPACE ADMINISTRATION**

DA January 8, 1991

SF NASA

BT1 Federal Agencies

BT2 Agencies

BT3 Administrative Organizations

BT4 Organizations

DEF (U.S. Government Manual, 1990-1991) The NASA conducts research for the solution of problems of flight within and outside the Earth's atmosphere and develops, constructs, tests, and operates aeronautical and space vehicles. It conducts activities required for the exploration of space with manned and unmanned vehicles and arranges for the most effective utilization of the scientific and engineering resources of the United States with other nations engaged in aeronautical and space activities for peaceful purposes.

**NATIONAL AMBIENT AIR QUALITY STANDARDS**

(EPA)

DA October 12, 1990

SF NAAQS

BT1 Ambient Air Quality Standards

BT2 Air Quality Standards

BT3 Standards

BT4 Codes, Standards, and Regulations

NT1 Primary Standards

NT1 Secondary Standards

RT Attainment Areas

RT Non-Attainment Areas

RT Primary Standard Attainment Date

RT Reasonable Further Progress

SO Environmental Protection Agency Glossary

DEF (EPA) Air quality standards established by EPA that apply to outside air.

**NATIONAL CAPACITY VARIANCES**

DA January 24, 1991

BT1 Variances